

gtgtgtaatc	atgggagttg	gaacactgct	cattgcaatg	cctcagttct	tcatggagca	300
gtacaaatat	gagagatatt	ctccttcctc	caattccact	ctcagcatct	ctccgtgtct	360
cctagagtca	agcagtcaat	taccagtttc	agttatggaa	aaatcaaaat	ccaaaataag	420
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<210> 232
 <211> 1067
 <212> DNA
 <213> Homo sapiens

<400> 232	
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ccaggggcgcc	aagcctcagg accgtgggtg gggcccaagg acactctgga ccccggttcc 180
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cgacatcaca	gcctcggcca tgcgggtcca caccgacggc tcctctgtggc ggtacgtgcg 480
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gctgatggac	gggggctaca tcaacaacct ccagcggtat gtggccgggt ccatggggggc 600
aaaagtgggt	atcgccattg acgtgggcag ccgagatgag acggacctca ccaactatgg 660
ggatgcgctg	tctgggtggg ggctgctgtg gaaacgctgg aacccttgg ccacgaaagt 720
caagggtgtg	aacatggcag agattcagac gcgcctggcc tacgtgtgtt gcgtgcggca 780
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<210> 233
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 233	
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gggtagtctc	aactttgggt aataatgttt gtcagctacc tgatattaac attgctccac 180
gttcaaacag	cagtgttagc aagacctggg ggagagagca ttggctgtga tgactactta 240
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gttgtgtcgg	gcgtgtttta gcatgccctc accagcctgg gctaccaccg cgtcgtggag 360
attcccagag	gagccacgaa aatcaacatc acggagatgt acaagagcaa caactatttg 420
gccctgagaa	gtcgttctgg acgctccatc atcaatggga actgggcaat tgatcgacca 480

ggaaaatac	agggcggagg	gaccatgttc	acctacaagc	gtccaaatga	gatttcgagc	540
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agtttggtatg	tttctggact	gttcttttga	ttttgaatct	tgtcacttct	aaggaacata	660
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<210> 234
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 234						
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tggattgagg	tgggtgtcca	gaatggggcc	cgttatgaag	ctggtgtcaa	ggatattgac	180
cttaaattgg	atcttgcgg	gattaagatt	gaatcaaatg	ctgaacttcc	tgtactgatg	240
ctgggaagat	catctgacct	tcgggctgga	gagtttgtgg	tggctttggg	cagcccattt	300
tctctgcaga	acacagctac	tgcaggaatt	gtcagcacca	aacagcgagg	gggcaaagaa	360
ctggggatga	aggattcaga	tatggactac	gtccagattg	atgccacaat	taactatggg	420

<210> 235
 <211> 1057
 <212> DNA
 <213> Homo sapiens

<400> 235						
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tgtacataga	gatctgaaac	tggaaaatat	aatggttaaa	agcagtctta	ttgatgataa	180
caatgaaata	aacttaaaca	taaagggtgac	tgatttttggc	ttagcgggtga	agaagcaaag	240
taggagtga	gccatgctgc	aggccacatg	tgggactcct	atctatatgg	cccctgaagt	300
tatcagtgcc	cacgaactata	gccagcagtg	tgacatttgg	agcataggcg	tcgtaatgta	360
catgttatta	cgtggagaac	cacccttttt	ggcaagctca	gaagagaagc	tttttgagtt	420
aataagaaaa	ggagaactac	atthttgaaa	tgcagtctgg	aattccataa	gtgactgtgc	480
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actactagat	aaccagtggt	taacaggcaa	taaactttct	tcggtgagac	caaccaatgt	600
attagagatg	atgaagggaat	ggaaaaataa	cccagaaagt	gttgaggaaa	acacaacaga	660
agagaagaat	aagccgtcca	ctgaagaaaa	gttgaaaagt	taccaaccct	ggggaaatgt	720
ccctgagacc	aattacactt	cagatgaaga	ggaggaaaaa	caggtaggaa	gaatcattgc	780
tgcattttctc	ccaagtgtaa	aataccctca	ccacacctgg	aacatttttt	tgcaaatctg	840
tctttttgtt	gttagttttgt	aacaaaggcc	gagcgttata	tagcaagtaa	agttctttct	900
gccttataag	gctagcatga	tttagcgagg	tggcctacat	gtttatttta	aggttggtga	960
ttatgtaggg	caggtgtctg	caaacttttt	ctgtaaggga	acaaacagta	aatatttttag	1020
gctttgtggg	ccctagtagt	ctttgtcaca	actactc			1057

<210> 236
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 236
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 cctcagatta gtggattctc atcaccagtt atggagggtg acttgatgca gctgacttgc 180
 aaaacatctg gtagtaaacc tgcagctgat ataagatggg tcaaaaatga caaagagatt 240
 aaagatgtaa aatatTTaaa agaagaggat gcaaatacga agacattcac tgtcagcagc 300
 acaactggact tccgagtggg ccggagtgat gatggagtgg cggtcacatctg cagagtagat 360
 cacgaatccc tcaatgccac ccctcaggta gccatgcagg tgctagaaat gcactataca 420
 ccatcagtta agattatacc atcgactcct tttccacaag aaggacg 467

<210> 237
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (416)
 <223> n = a,t,c or g

<400> 237
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 accccatggg caccgcttca gaaaggatct ttgttctcaa ccaactcaga gatccactt 120
 cgcctaagtt tcagaagac tttagcagat gagagcatgc aaagcagaaa tcagtcacatc 180
 cctggctgtt gaaccacgat ccagcaaaac ggcccacagc cacagaactg ctcaagagtg 240
 agctgctgcc cccaccccag atggaggagt cagagctgca tgaagtgtctg caccacacgc 300
 tgaccaacgt ggatggaaaag gctaccgca ccattgatgg gccacagatct tttcggcagc 360
 gcatctcccc tgccatcgnt ttacacctat gaccagcgac atattgaagg gcaact 416

<210> 238
 <211> 739
 <212> DNA
 <213> Homo sapiens

<400> 238
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 tgattccaca gatggcgagg gtgactggag tctctgggtc gtctgcagcg tcacctgcgg 180
 gaacggcaac cagaaacgga cccggtcttg tggctacgag tgcactgcaa cagaatcgag 240

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agacagctgt	gagcgctgga	tgagctgcaa	aagcgagttc	ttaaagaagt	acatgcacaa	420
ggtgatgaat	gacctgcccc	gctgcccctg	ctcctacccc	actgaggtgg	cctacagcac	480
ggccgacatc	ttcgaccgca	tcaagcgcaa	ggacttccgc	tggaaggacg	ccagcggggc	540
caaggagaag	ctggagatct	acaagcccac	tgcccgggtac	tgcacccgct	ccatgctgtc	600
cctggagagc	accacgctgg	cggcacagca	ctgctgctac	ggcgacaaca	tgcagctcat	660
caccaggggc	aagggggcgg	gcacgcccac	cctcatcagc	accgagttct	ccgaggagct	720
ccactacaag	gtggacgtc					739

<210> 239
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 239

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tgtaccatta	gttgcctgtg	gtccttgtga	tgatgaaggc	attgtgacta	gcacaggcgc	120
aaaagaggaa	gacgaggaag	gggaggatgt	tgtgactagt	actggaagag	gaaatgaaat	180
tgggcatgct	tcaacttgta	cagggttagg	agaagaaagt	gaaggggtct	tgatttgtga	240
aagtgcagaa	ggggacagtc	agattgggtac	tgtggtagag	catgtggaag	ctgaggctgg	300
agctgccatc	atgaatgcaa	atgaaaataa	tgttgacagc	atgagtggca	cagagaaagg	360
aagtaaagac	acagatatct	gctccagtgc	aaaagggatt	gtagaaagca	gtgtgaccag	420
tgcagtctca	ggaaaggatg	aagtgcaccc	agttccagga	ggttgtgagg	gtcctatgac	480
tagtgctgca	tctgatcaaa	gtgacagtca	gctcgaaaaa	gttgaagata	ccactatttc	540
cactggcctg	gtcgggggta	gttacgatgt	tcttgtatct	ggtgaagtcc	cagaatgtga	600
agttgctcac	a					611

<210> 240
 <211> 1090
 <212> DNA
 <213> Homo sapiens

<400> 240

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agtgcctctc	agtcctgcga	atcttctttg	ggtggaaatg	atgaactgtc	agctactttc	180
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catggttaata	atgttcaatg	gcgagctctt	tctgagctgg	ctgcgtttgtg	ctatctcata	300
gcatttcagg	taagtcttcc	acttggagca	attgacat	cacggagctc	tgatgtgttt	360
taaatgaagg	tgtgctctgg	tatgtaatga	caatatgtga	acaaacctgt	ggaattaaag	420
ttaaaatgaa	atagtcaatt	tgatacagtg	gaaaataact	aagcatacac	aatactggtg	480
aggctgggtga	aacagggatg	ttgaatgcac	tcttgcgaa	agcctgcatt	gccatgattt	540
gtttgtagac	aaatttgaag	agtttgatct	ttttactctg	ccatttttgg	gaacatgata	600
aagatgtaat	ctcgtattat	gggtaaaagct	tgattcaaaa	agatgtgtta	cttggacaaa	660
atcctaataa	gtagacgtag	ggcaatggct	ttatagccta	tgatagaaga	atatgattgc	720
aatttaacat	gttaattgaa	acacatgtat	ataacattta	tgactgtatt	gtgtatatgt	780
aacagtatat	ctattaatct	ttgaaaacat	aaaacctttt	cttatttttt	atttttttat	840

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ctgggactac	aggcccatgc	taccaagccc	agctaatttt	ttgtattttt	aatagagatg	1020
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ggtctcccaa						1090

<210> 241
 <211> 680
 <212> DNA
 <213> Homo sapiens

<400> 241						
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gaacagaaag	tacaggtccc	accatgacca	gatgatctgc	aagtgcctct	ccctgagcat	120
atcctactcc	gtaccatttg	gcggcctgac	caccatcctc	ggcacctcca	ccagcctcat	180
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ctggctgttc	ctgggctgca	attttaaaga	gacctgctct	ctgagcaaga	agaagaagac	360
caaaagggaa	cagttgtcag	agaagaggat	ccaagaagaa	tatgaaaaac	tgggagacat	420
tagctaccca	gaaatgggtga	ctggattttt	cttcacctcg	atgaccgtac	tgtgggtttac	480
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tgatgccaca	gtctctgtct	tccttggtct	cctcctcttc	ctcattccag	cgaagaagcc	600
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catcacgtgg	aaggacttcc					680

<210> 242
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 242						
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agttgggtcca	gaaggatgcc	tccattcctg	cttctcacct	gcctcttcat	cacaggcacc	120
tcogtgtcac	ccgtggccct	agatccttgt	tctgcttaca	tcagcctgaa	tgagccctgg	180
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aatggggagt	ggtaccactt	cacgggcatg	gcgggagatg	ccatgcctac	cttctgcata	300
ccagaaaacc	actgtggaac	ccacgcacct	gtctggctca	atggcagcca	ccccctagaa	360
ggcgacggca	ttgtgcaacg	ccaggcttgt	gccagcttca	atgggaactg	ctgtctctgg	420
aacaccacgg	tggaaagtaa	ggcttgccct	ggaggctact	atgtgtatcg	tctgaccaag	480
cccagcgttt	g					491

<210> 243
 <211> 983
 <212> DNA

<213> Homo sapiens

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<400> 243
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ctgcccacgcg tggacaaggg ccccgaggag ctgctggagg agttcgtgtt ccagggtgcc      180
aaggagcgca gcgcgcagcc caagagactg aattcccttc aggagcttca acttcttgaa      240
atcatgtgca attattttcca ggagcaaacc aaggactctg ttccgcagat tattttttca      300
tccctttttca gccctcaagg gaacaaagcc gatgacagcc ggatgagctt gttgggaaaa      360
ctggctctcca tggcggtggc tgtgtgtcga atcccggtgt tggagtgtgc tgcctcctgg      420
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gtggggatgg acagagactc ccacctcttg tactcaaaac tccacctcag cgtcctgcaa      900
gtgctcatga cgctgcagct gcacctgacc gagaagaatc tgtatggggc gcctggggct      960
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<210> 244
<211> 526
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(526)
<223> n = a,t,c or g

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<400> 244
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cctgtactac gacggctgtg ccatgatcgc catgaacgga agcgtctttg ctcaaggatc      180
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tgtgggatgc tcatcaaaga cgtggaaagt ggcccattc gtgcgggcct ggtggaggcc      360
gtgaggggtgc agtgccctgaa aagtctgaca gggaagttcc ggacttcccg agcgtggaaa      420
ggggctgggt ccgcagacag aacctgcttc catctgttcc ccgtcatcct ctgcttgggc      480
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<210> 245
<211> 418
<212> DNA
<213> Homo sapiens

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<400> 245
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 gtccccatgg taccocctgag ccatgggcat ttcctgagcc ccactcagca ggctctgctt 180
 cccccaggtc ctgggtgaacg agggcggtgg ctttgaccgg gcctctggct ccttcgtagc 240
 cctgtccggg ggtgtctaca gcttccgggt ccatgtgggt aaggtgtaca accgccaaac 300
 tgtccaggtg acctcagcac tggcccccac ccccggtcca ggagggtggg gagggggaag 360
 aaggggagcc cagctgacct ccgggtggac tctccattga cctgtgtcct ggacgaaa 418

<210> 246
 <211> 706
 <212> DNA
 <213> Homo sapiens

<400> 246
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 tttcttacgc catgtagttt cacaatttga cctgcgact ttgctttgtt atctctattc 180
 agacctgtat aaacatacca attccaaaga aactcgctgc atcttccttg agtttcatca 240
 gttctttcta gatcgatcag cacacctgaa agtttctgtt cctgatgaaa tgtctgcaga 300
 tctagaaaag agaagacctg agctcattcc tgaggatctg catcgccact atatccaaac 360
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 tagtatggga ctgaccttgg ctgaaagcga gctgactaaa cttgatgcag agcgagacaa 480
 ggaccgattg actttggaga aggagcggac atgtgcagaa cagattgttg ccaaaattga 540
 agaagtattg atgactgctc aggtgttaga ggaagataag agctccacca tgcagtatgt 600
 tattctcatg tatatgaagc atttgggagt aaaagtgaag gagcctcgaa atttggagca 660
 caaacggggg cggattggat ttcttcccaa aatcaagcaa agtatg 706

<210> 247
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 247
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 gcctccccac cccacagtgc ccgttcacgc acgatttcat cctggccctc cataggaaga 120
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<210> 248
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 248
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 aaaaagatga caaatattcat tctgggagtg aagagagaat tctgttcact tttgaaagag 180
 tggaacagat gtgcattcag attaaagaag ttggagatcg tgtcaactac ataaaaagat 240
 cattacaatc attagattct caaattggcc atttgcaaga tctttcagcc ctgacggtag 300
 atacattaaa aacactcact gccagaaaag cgtcgggaagc tagcaaagtt cataatgaaa 360
 tcacacgaga actgagcatt tccaaacact tggctcaaaa ccttattgat gatggtcctg 420
 taagaccttc tgtatggaaa aagcatggtg ttgtaaatac acttagctcc tctcttcctc 480
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 aactgcgaca gagactacat ggggtagaac tcttaaaaaa atttaataaa aaacaaaaaa 720
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<210> 249
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 249
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 gttgccctcg aagatacaag cccttcaacg ccgctataa actgctgac ccatgagag 180
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 ggcttgaaaa tctcaagatc cacttgcgga gccacacagg cgagaagccg tatttgtgcc 300
 agcatccggg ttgtcagaag gccttcagta actccagtga ccgcgccaaa caccagcgga 360
 cgcactctga cactaaacct tatgcttgct aaattccagg atgtaccaa cgctacacag 420
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<210> 250
 <211> 963
 <212> DNA
 <213> Homo sapiens

<400> 250
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tcg						963

<210> 251
 <211> 894
 <212> DNA
 <213> Homo sapiens

<400> 251						
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caattatttt	gaggtgtcta	ttgtggacag	tggagtcggg	ggcaccattg	ctgtggggct	360
ggtccctcag	tactacagct	tggatcacca	gcctggctgg	ttgcctgact	ctgtagccta	420
ccatgctgat	gatggcaagc	tgtacaatgg	ccgagccaag	ggccggccagt	ttgggtcaaa	480
gtgcaactcc	ggggacogga	ttggctgtgg	cattgagcct	gtgtcccttg	atgtgcagac	540
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cccagatgga	ctgttcccag	cagtgggcat	gcactccctg	ggtgaggagg	tgcggtgca	660
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gggcaaaagc	atcgtggatg	tggggctggc	ccaggcccgg	cacccactca	gcacccgcag	840
ccactacttc	gaggtggaga	tcgtggaccc	tggagagaaa	tgctacatcg	ccct	894

<210> 252
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 252						
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caccagaagc	aggtgatttc	cgagctcagc	aatgctcagc	tcataatgat	gtcaagcacc	420
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<210> 253
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 253						
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gattgctgac	tacggcattg	ctcagtagct	ctgtagaatg	gggataaaaa	catcagaggg	360
cacaccaggg	tttcgtgcac	ctgaagttgc	cagaggaaat	gtcatttata	accaacaggg	420
tgatgtttat	tcattttggt	tactactcta	tgacattttg	acaactggag	gtagaatagt	480
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tccagttaaa	gaatag					556

<210> 254
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 254						
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aaaaaaaggc	agttatcccc	ctggggatcg	ggccaccctt	gacttttaac	tgccatgggg	120
ttctgggggg	tattctcatc	tacggggagga	aaggcttcca	aactgcccac	ttttacttaa	180
aggacagtcc	atccccataa	gtaatatcca	cccctccacc	acctatcttt	ccaatttcaa	240
aggaggctcg	accaattcca	ataaagcact	ttccaaagca	tgtggcaaat	ttacatgcaa	300
gtaggggggt	tactgaaaaa	tttgaaacac	tgaaaaagtt	ttaccaggaa	gggcaaagct	360
gtactgttga	cttaggtatt	acagcaaaca	gctccaacca	cccagacaac	aggcacagga	420
atcgatcctt	aattg					435

<210> 255
 <211> 698
 <212> DNA
 <213> Homo sapiens

<400> 255
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 gaatgcagca gagaggactc gccatcgtgg ccttggctgt ctgtgcggcc ctacatgcct 120
 caccagccat acttcccatt gcctccagct gttgcacgga ggtttcacat catatttcca 180
 gaaggctcct ggaaagagtg aatatgtgtc gcatccagag agctgatggg gattgtgact 240
 tggctgctgt catccttcat gtcaagcgca gaagaatctg tgtcagcccg cacaaccata 300
 ctgttaagca gtggatgaaa gtgcaagctg ccaagaaaaa tggtaaagga aatgtttgcc 360
 acaggaagaa acaccatggc aagaggaaca gtaacagggc acatcagggg aaacacgaaa 420
 catacggcca taaaactcct tattagagag tctacagata aatctacaga gacaattcct 480
 caagtggact tggccatgat tggttagtct cgctctgtca cacaggctgg agggcagtgg 540
 cgggatctcg gttcacccca acctttgcct cacgggttca agggattctc gtgcctcagc 600
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 tgttacagac ggggtttcac catgttggct gggctggt 698

<210> 256
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 256
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 ccactttttc gctttgattc cttcttcccc caaagaggtc ccagctaccc catcctccag 120
 aagggaaccc attgccccaa cagcgactct tctctctaaa aagaccccag caactctagc 180
 ccccaaagag gccctcattc ccccagctat gactgttccc tcccctaaaa agaccccagc 240
 aattccaacc cccaaagaag ccccagctac cccatcctcc aaagaggcct ccagtccccc 300
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 ccccgaaaag ggcccagcaa ctccagcccc caaagggact cccacttccc cacctgtgac 480
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 agtacttggt gccccagctc cagaaagcac gccaatcatc acagctccca ctcggaagg 660
 tccacagacc aaaaagagtt ctgctacttc acctctata tgcccagatc cctcagctaa 720
 gaatggttct aaagga 736

<210> 257
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 257
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 tatctttaa aaaaaaa 77

<210> 258
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 258
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 atgaaggata taagaatgaa tgataaagca agctaaaaat ggtgaaacaa gggatgtctg 180
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 ctctaggctg gttttgggta cggcttgcca atttctcgtc tgtatgcaa gtactttcaa 360
 ggagatctga atctctactc tttatcagga tatggaacag atgctatcat ctacttaaag 420
 gtatcccttg aattcaatag caaaatcctg tttctaaaac cattgctcct tttatagccc 480
 tgagtgcctat ggtccggag 499

<210> 259
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 259
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 caaccaggaa gaggagacgg agtttaagga actggacggg ctgagggaag ccttggcaaa 180
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 gctcaaggcc caggggtgagt acagtcggaa actagaggaa cgctttatga ccctagcagc 420
 caaccacgag ttgatgctcc gcttcaagga tgaatacaag agtgagaaca tcaagctgag 480
 ggaggagaat gagaagctga ggctggagaa taacagcctc ttcagccagg ctctgaagga 540
 tgaggaggcg aaagtattac agctcacagt ccggtgtgag gccctcactg gggagctaga 600
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<210> 260
 <211> 414
 <212> DNA
 <213> Homo sapiens


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<400> 260
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tgggcgatat ccttcacccct tccgctcctg cgcactcatg ggaatgtgtg gcagtagaag    120
cgctgataac ttgtcatgcc cttctccatt gaatgtaatg gaaccagtaa gcttctttcc    180
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gatgaaatat atgtttatatt taaatacata atttgataaa ttattgttga ttggaagtga    300
ctttcacctt tgaaagtcca ttgctgtctg aagccactag aaagccacct gaattgcaat    360
agtgatttat ctttctgact aaaggaggta atgcaccata aaaacatgta cagt          414

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<210> 261
<211> 620
<212> DNA
<213> Homo sapiens

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<400> 261
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acagaccagt atggagacat ctggacattg catgatggag gattccggaa ttataacacc    180
agcatagata tgcaaagggg aaagctagat gacatcatgg agcatccaga aaagtctgac    240
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gaccgttccc ctgacagttc ccttccaagg gtgatcaacc tcaccaataa gaaaaacctg    360
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ggcagcaagc ttctgatca agagaaggca gtcagcgaac acatccctta cctctctcct    540
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tacatgcagt taattcaacg          620

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<210> 262
<211> 418
<212> DNA
<213> Homo sapiens

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<400> 262
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acatgacagc caaggacccc gtggtggctg atctgatgaa gaaccccatg gcctcgctga    180
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gatgtgtcca gttaacgctc actggccaga tgatcgtagt gtctccagaa gaagtagaat    300
ttgccaaagc agccatgttt tcaaggcacc cagggatgag gaagtggcct cgtcaatatg    360
aatggttctt tatgaagatg aggatagaac atatctggct tcagaaatgg tatggagg    418

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<210> 263
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 263
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 cagggactac agaaattagg tccaaattta ccctgtgaag ctgatattca cactttgatt 180
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 catctggaat ggctgaattt ggaggaaat aatcttatag ccatggaaca gatcaatagc 420
 tgcacagctc tacagcatct c 441

<210> 264
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 264
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 cctactgtgc agagacacac cggcggcaca cactcttctg cggaaccctc atcttgcag 720
 cccgggccta tgtgggaccg cagctcctgg cagtgggtgac ccgcacaggt atgagccggg 780
 aggctgggtc tgagagagat cggggctcag cacccttgaa gaggtggagt gg 832

<210> 265
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 265
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<210> 266
 <211> 1872
 <212> DNA
 <213> Homo sapiens

<400> 266						
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taattcatta	ttaattcatg	tttttcttat	tggatattca	gttccagaat	ttattgccaa	1440
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gaaactttct	gtctacctgg	taaaactaag	tgctaaaaaa	catgaactat	aaatgtagtt	1560
actaggaact	cacaacttat	atatactatc	cattcaatga	tacataggac	ccaatgtctt	1620
tgtgtttttg	aggttttctc	gttactgtgt	actttgccat	tttacaatagt	tcactaaaaa	1680
gaaagaagtg	ggagaagaag	gggggtctct	tcattattct	atattatgat	tctcttcatt	1740
attctgttct	cttcattatt	ctattcattt	cttcacccat	ttattcacta	aacagtgaca	1800
tagtacttac	ttgatgctag	gtattacacc	agttttgtgg	gctataagag	tgaataacaa	1860
gcacgtgacc	tt					1872

<210> 267

<211> 684
 <212> DNA
 <213> Homo sapiens

<400> 267
 tgtagataca gagtagctaa ttctaaaatt catatggaag gcaaagaaac taaattagcc 60
 aaaacaattt tgaaaaagat ttcaaaaaaa ttttgaagga atcatgctgc ccagttttta 120
 gacttactat aaagctgtga taatcaaggc aatctggtat ttatgaaagg ataaacacat 180
 agatcaatgg aataaagtcc aaaaccagac tcacataaat agcaattgat ttctgacaaa 240
 ggtgaaaaga caactcaatg gggaatggag agtttttcaa cagatgattt taaaacaact 300
 gaacatccat atgcaaaaaa ataaacctac ctaaatttca cagcttatac aaaaattaac 360
 ctaaaatgga tcacggatct aaatgtagaa ctaaatttca aaaaatttta gaagaaaaaa 420
 atccataggc cgggcacggg ggctcatgcc tgtaatccca gcacttcaga ggctgaggcg 480
 ggcagatccg ttgaggtcag ttcaagacca gcctagccta tgtggtgaaa tcccaactct 540
 actaaaaata aaaaataaaa aaaaaatggg ctgggagtgg tgggtgcacac ctgtagtccc 600
 agctacttgg gagactgaag cacaagaatc acttgaaccc agcaggcaga ggttgtagtg 660
 agtggagatt gtgccactgc accc 684

<210> 268
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 268
 ggtcgacgat ttgccccgc gtcggacgag gagcgggagc cgtgggagcc gtggacgcag 60
 ctgcgcctgt cgggccacct gaagccgctg caactacaatc tgatgctcac cgccttcctg 120
 gagaacttca ccttctccgg ggaggtcaac gtggagatcg cgtgccggaa cgccaccgcg 180
 tacgtagtgc tgcacgcttc ccgagtggcg gtggagaaag tgcagctggc cgaggaccgg 240
 gcgttcgggg ctgtccctgt agccggtttt ttccctctacc cgcaaaccga ggtccttagtg 300
 gtggtgctga ataggacact ggacgcgcag aggaattaca atctgaagat tatctacaac 360
 gcgctcatcg agaatgagct cctgggcttc ttctgcagct cctatgtgct ccacggggag 420
 agaagattcc ttgggggttac tcagttttcg cct 453

<210> 269
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 269
 ggcacgagaa ctggtgctta atttaatgcc aattcatgat gtaggtttct aagcagcaca 60
 taaaaggggc ttttttaggta gcactgagta ctttactaaa aatacaaaaa ttagccaggg 120
 gggggggtgc acgtctttta tcccagctac tcagggcggg ggccaggggg tggggtaggg 180
 tgggggctga gcaggagaa gcacttgaac ccaggaggcg gaggttgtag tgagctgaga 240
 ttgtgctact gtactccaac ctggggcaaca aacagagtga gacactgtct caaataaata 300

aataaataga	taaataaaat	aaaataaaat	aaaaagaact	cgaccctttt	tacaatagct	360
aaaggaaaat	aaaataactta	agaatatact	taaccaagga	ggtgaaagac	ctctacaaag	420
aaaactacaa	aacactgctg	aaagaaatca	cagatgacac	aaacaaaaac	acatcccaag	480
ctcatggaca	ggtagaatca	atactgtgaa	aatgactata	ctgcc		525

<210> 270
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(880)
 <223> n = a,t,c or g

<400> 270						
cccagtccca	cattgagccc	tgatcccatc	caagtccata	gacttggcct	ctgaccaaac	60
ctgaccctgc	acttgtcact	taaggtgggc	ccatattcag	ctcagaccct	gaaccgagct	120
ctgaccctgg	cttctgactg	aatctgtgac	agactaaggc	ctgaccctgg	ccctatacca	180
cgtctccacc	cgtgtctcca	actgagtgtc	gaccccaaac	ctagacagcc	ctacctgac	240
cttccccccag	gcctgtcccc	gccgcttcac	ctcaaaagtt	gaaggtgagg	agccggtaaa	300
caggtctgga	gcctgggtctc	agactcagcc	tgagcaagct	cagtctgggg	tcattggggc	360
tgtaaccccg	ggcaggccct	tgtagggat	gcagggtctc	accctagggg	tataagggat	420
ttctgtgcc	atcagaactt	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	atcttctgtg	tagcatatgt	gatgaccttg	acttcacctc	540
cctggcgcca	atatcctctt	ctgtaaaatg	gcttatgcat	tacaaagtga	ggtcctgcca	600
gtgactacac	ctagaggcat	taagtgcctt	tgtggactcc	tgccctgcac	ctcacctctc	660
ccagcttttt	aacccctga	ggaaccttct	taccttgagt	ccctcaccgg	ctacaggcca	720
tccatgagca	gatgaactgc	aaggagtatc	aggaggacct	ggccctggcg	gctcagaacg	780
atgcggctgc	ccggcgcccg	tcagagatgt	ttaagggtgag	gctggctcag	ggtcgtggcc	840
tagcatcttt	aagttctggg	atccagtctg	gggtaggagg			880

<210> 271
 <211> 1066
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1066)
 <223> n = a,t,c or g

<400> 271						
tgaccctcgt	aagnccgttg	gaattccctc	acctgtgtgg	tcctcacctt	cctggggccac	60
cgctgctga	aacgggtttc	ggtgccaag	ctgaggaggt	ttctcaagcc	tcaggggccat	120
ccccgcctgc	tgctctgggt	taagaggtga	gtgagctcac	agccccgagg	cagggcaggg	180
gaggccctct	gagctgagg	gttggtccca	gggttatggc	cagggctgga	ggaggaggaa	240
ggctctgtgt	catggagaa	tctctggcgc	cccagggcag	gagccagtgg	gtggcttcaa	300

acaaagcagc	atctttgtgg	tgtttcacca	gttcttagtc	ccagttacag	caggtgactg	360
tgggtggacga	aaactggact	caacagtttc	ctccattcag	ggatcccagg	ccatggagca	420
aggaggggccc	gaatcagtac	ctccctcaga	tcacctggac	agtgtgagac	aaaaagccgc	480
agggaccatc	cctggagggg	gattcagcag	gctcgatcgg	ggccaggtg	ctgggtatctt	540
tcattagcct	ccagggggatt	ctgatgtagc	cagcagcgtc	cttggacaac	agtttgagat	600
ctgctgcttt	tcaaaactgga	ttccttgagg	cgctggaaat	ctcagcgatg	tcacagggca	660
ggagagggag	gttgtggagg	gaaaattcag	acttcccggc	cagcccacca	tttcaccagg	720
cagctctaaa	tttatgtgtt	ttataagcca	aggttcacac	aaaaaagaaa	attcgctggg	780
gggaaaaaaaa	cagtttctat	ggcttaaaaa	aaagtctgaa	gaccaccagt	ctatttcaat	840
actctatctt	gttgatgaag	aagctgggtg	ccaaagatac	ccaaagacta	agtcaggggg	900
atgcaggggt	acaggggtgc	ctctcacttt	cccaaagtga	gatccacata	ccacagcaaa	960
atgatttgag	ccagcctgtg	gatgaacaca	ttttaaattt	tatttataaa	tacatttact	1020
gttacatttg	acttctcttt	attaatatca	tttgtgattt	ataaaa		1066

<210> 272
 <211> 659
 <212> DNA
 <213> Homo sapiens

<400> 272						
tacggggaat	tcgtcaccta	ccaaggggtg	gctgtgacgc	ggagccggaa	agaaggcatc	60
gcacacaact	acaaaaatga	gacggagtgg	agagcgaaca	tcgacacagt	gatggcgtgg	120
ttcacagagg	aggacctgga	tctggtcaca	ctctacttcg	gggagccgga	ctccacgggc	180
cacaggtacg	gccccgagtc	cccggagagg	aggagatgg	tgcggcaggt	ggaccggacc	240
gtgggctacc	tccgggagag	catcgcgctc	aaccacctca	cagaccgcct	caacctgatc	300
atcacatccg	accacggcat	gacgaccgtg	gacaaacggg	ctggcgacct	ggttgaattc	360
cacaagtctc	ccaacttcac	cttcggggac	atcgagtttg	agctcctgga	ctacggacca	420
aacgggatgc	tgctccctaa	agaaggagg	ctggagaagg	tgtacgatgc	cctcaaggac	480
gcccacccca	agctccacgt	ctacaagaag	gaggcgttcc	ccgaggcctt	ccactacgcc	540
aacaacccca	gggtcacacc	cctgctgatg	tacagcgacc	ttggctacgt	catccatggg	600
gtgagtcgcc	tgctggaggc	accacctcca	ggggctccct	ccccaggctc	tgggtcttc	659

<210> 273
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 273						
acgcgacttc	tcgggtcgac	ccacgcgtcc	gcacatataa	cacatcacgc	accttttgag	60
tggctacctt	ggttctcgcc	tttcttttca	agagaccatt	cttcaacaga	actgtaagga	120
ttcttcttgg	ctgaatcaga	tgtgacgcat	cccacttctg	cgtttgaggt	ctagcacata	180
ccgctccaag	ggctttgacg	tcacagtga	gcactcacac	ggaagctgga	cgggcttcgg	240
tggggaagac	ctcgccacca	tccccaaagg	gttgaatact	tattttcttg	tcaacattgc	300
cactatcttt	gaatcaaaga	atttcttttt	gcctgggatt	aaatggaatg	gaatacttgg	360
cctatcttat	gccacacttg	ccaagccatc	aagttctctg	gagaccttct	tc	412

<210> 274
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 274
 gaattaagag ttactccggg ccaaattggcc ggagttgtca gatctggcag cgtcttcgct 60
 ggggctccag ggagctgctg ctgggggtgga agctctcaca ctctttctcc acgtgccctt 120
 tccagttccc tgacatcgtg gagttctgcg aggccatggc caacgccggg aagaccgtaa 180
 ttgtggctgc actggatggg accttccaga ggaaggtaag gcgtctgac caggtctgga 240
 gctgggattg aggagggcaa gaggcttctg gatgggcaca gagacaccag ctctgggtga 300
 ccagggtcga gccaccacag ggttacggcc gagctgctca ggccttggct gagccaaggg 360
 actccatggc ctgtgcagac tgcgtgccat ctgttgccgc aggtgctttg aattggcaaa 420
 gggacagagc cgggcatggc gctctggggg ttgggggaag gactaaggtc agagcaaact 480
 ctctggcctt cagtacttgt gaatcagagg gtttaaaaga aa 522

<210> 275
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(650)
 <223> n = a,t,c or g

<400> 275
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 tttcaacatt ttccctttca cctaaaactg tatttttctc tgctaagacc ggctacccta 120
 ctttcatttt cctttcactc ttcttggtc ttttgggcct ttttaggaatt tgggatgatt 180
 caggctctga caggcatggc actagattta ttttaggctg ctcttttgct gttgtccaac 240
 aggccaagga gagattttaa tgatttatcc aatatttgct aaatagtcac gtgtttcatt 300
 tatcccatat atagttcagc cttaatatgt tttttgtttt gatttggtac actagtgcac 360
 acatagagac gtgaagccag aaaatatcct catcacgaaa cattccgtga ttaagctttg 420
 tgactttgga tttgctcggc ttttgactgg accgagtac tactatacag actacgtggc 480
 taccaggtgg taccgctccc ctgagctgcn ggtgggggac acgcagtacc ggccccccgg 540
 tgggatgttt ggggcaattg gctgtgtctn tgctgagctn gctgtcaggg aagtgcctct 600
 ggtggccagg aaaatcggaa tgttggatca gctgtatctg attaggaaga 650

<210> 276
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 276
 cccttgatga ccatctagtc agtgcggtgg aattcccatg acagacgtat ctgactgggc 60
 atgtgggtcag caagcctcgc ctttggtcag gccctggagg gtacagctga cccatagggc 120
 cacttccatg gcactgggca agtggctgta ttggaaatga agtcgttgcc cccgatttct 180
 ttggggccag gttgagcttt cctgcccaga gcacggaggc taaagggggt gggctttgga 240
 ctggattggg gctgacctca gcctacacct gcaggaggag gtggagacag aggtggcctg 300
 ggaggaatgt gggcacgtcc tactgtcact gtgctacagc tctcagcagg gtggcttgct 360
 ggtaggtgtg ctgcgctgcg cccacctggc ccccatggat gccaatggtt actcggacct 420
 cttcgtgcgc ctgtgagtga actggggtag gcaggcggga ggtgaggata aggcgggtgac 480
 tctcacctc tccaggg 497

<210> 277
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 277
 tgggtgaatt ctgcctatgg aatatgcacc aggcggcact ctggctgagt tcatccaaaa 60
 gcgctgtaat tccctgctgg aggaggagac catcctgcac ttcttcgtgc agatcctgct 120
 tgcactgcat catgtgcaca cccacctcat cctgcaccga gacctcaaga cccagaacat 180
 cctgcttgac aaacaccgca tggctcgtcaa gatcgggtgat ttccggcatct ccaagatcct 240
 tagcagcaag agcaaggcct acacgggtggg gggtaaccca tgctatatct cccctgagct 300
 gtgtgagggc aagccctaca accagaagag tgacatctgg gccctgggct gtgtcctcta 360
 cgagctggcc agcctcaaga gggctttcga ggctgcgaac ttgccagcac tgggtgctgaa 420
 gatcatgg 428

<210> 278
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 278
 gtccagtgtg gtggaattca ccaggtgtcc ggggcagtg tagtatctgg gctgctgcag 60
 ggcctgatgg ggctgctggg gaggccccgc cactgtgtcc cccactgtgg gcccctgggtg 120
 ctggctccca gcctgggtgt ggcagggtcc tctgccaca gggaggtagc ccagttctgc 180
 ttcacacact ggggggttggc cttgctgtac gtgagtcctg agaggcgtgg gatgggtgcc 240
 agtgggggtg tatgggggga ctaggggagg gcagaactgc tggtcctatc agattcagca 300
 gcgactggaa tagggacata ttttatattt ggaatccaag acttttctt gattcatctg 360
 gtctccttga atttcacact gttttctgct gtcccccaag gtcacttctt attccttcca 420
 tgggagt 427

<210> 279

<211> 561
 <212> DNA
 <213> Homo sapiens

<400> 279
 cccagaatga cccgggtcgac ccacgcgtcc gcacccagct atggaggcag ctgcaggaac 60
 aacttgtttt accgagaaga aacctacact ccaaaagctg agacggacga gatgaatgag 120
 gtggaaacgg ctcccattcc tgaagaaaac catgtttggc tccaaccgag ggtgatgaga 180
 cccaccaagc ccaagaaaac ctctgcggtc aactacatga cccaagtcgt cagatgtgac 240
 accaagatga aggacagggtg cataggggtcc acgtgtaaca ggtaccagtg cccagcaggc 300
 tgctgaacc acaaggcgaa gatctttgga agtctgttct atgaaagctt cgctagcata 360
 tgccgcgccg ccatccacta cgggatcctg gatgacaagg gaggcctggt ggatatcacc 420
 aggaacggga aggtcccctt cttcgtgaag tctgagagac acggcgtgca gtcctcagg 480
 taactactct gtgatcgagg ctctgtgaaa cgggttttct gtttatgacg gtgttgttga 540
 aattttgaaa aataccacac a 561

<210> 280
 <211> 792
 <212> DNA
 <213> Homo sapiens

<400> 280
 atttttgatg ccatgtggct acattggttt tagaatacta ataaaatcca ttgcttttaa 60
 aataaataaa taaaccccat agcacatcct ccatacaaca tctgttgtcc ctcaagatac 120
 aattgttacc actatcatct aaccattatt ttatgataac tttaaaatat caacttggca 180
 agaaaatatt ccacaaaaca cactctgcct ttttacttta aagagtcctt ggctacctgg 240
 gccaatatta ttctcatttg taggatttag gtccacaga atataatatg tgcccttttc 300
 tgtgttccct gcagatttgc aagtaccatc cctttttggg gccttacttt gcacctccag 360
 catctgggaa acaatgtttt cctgttgtag actctctttg gtgcagtcac cctcctggcc 420
 aattgtgttg caccttgggc actgaatcac atgagccgtc gactaagcca gatgcttctc 480
 atgttcctac tggcaacctg ccttctggcc atcatatttg tgctcaaga aatgcagacc 540
 ctgcgtgtgg ttttggcaac cctgggtgtg ggagctgctt ctcttggcat tacctgttct 600
 actgcccaag aaaatgaact aattccttcc ataatcaggg gaagagctac tggaaatcact 660
 ggaaactttg ctaatatattg gggagccctg gcttccctcg tgatgatcct aagcatatat 720
 tctcgacccc tgccctggat catctatgga gtctttgcca tctctctctg ccttgttgtc 780
 ctccctcttc cg 792

<210> 281
 <211> 1047
 <212> DNA
 <213> Homo sapiens

<400> 281
 ggtcttgggt tcaagggatc atatgaaaag tgcccagcag ttcttccagt tgggtggagg 60

atcagctagt	gaatgtgata	caataaccagg	gaggcagtg	atggcttcct	gtttcttcct	120
gettaagcaa	tttgatgatg	ttttgattta	cctcaactca	tttaagagcc	acttctataa	180
tgatgacatc	tttaacttta	attatgcca	agccaaagct	gcaacaggca	ataccagtga	240
ggcggaagag	gcgttcctct	tgatccaaag	tgagaagatg	aaaaatgatt	acattttacct	300
cagctgggta	gctcggggct	atattatgaa	taagaaacca	agactagcct	gggaacttta	360
tcttaagatg	gaaacctcgg	gcgagtcctt	cagtctctta	cagctcattg	ctaatactg	420
ctacaagatg	ggccagtttt	actattctgc	caaagctttt	gatgtccttg	agaggctgga	480
tcctaaccct	gaatattggg	aaggcaaacg	gggtgcctgt	gtgggcattt	tcagatgat	540
catagctggg	agagaaccca	aagagaccct	tcgagaagtg	ctccatttac	tgagaagcac	600
aggtaacacc	caagtagaat	acatgatccg	gatcatgaag	aaatgggcca	aagaaaacag	660
agtgtccatc	ctaaaatagc	gccagtgcac	taggaaccag	cttctacttt	gacataaaac	720
tggaaatcat	tttcaactca	gctttaatct	gtgatacagg	gctctgtttt	attgacattt	780
tccttccttg	ctctttaagc	ctcaaggcca	gagactgact	tgctgagact	tagtctcctg	840
gctgaacaga	gtgccatagt	ctgtgaccct	gtatgatcct	agtagcaata	agattttgga	900
cttatctggt	gcctttcttc	caaaaatgct	cagagtactt	ttatgcaatt	tactgacttt	960
aaggaaaaca	gtataacttt	tttttgtag	cattttatgg	cattgtctcc	tggtgcaat	1020
aacaaacatc	tttgatgttc	aagaatc				1047

<210> 282
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 282			
ctttaaaagt	ttctgatgaa ttagtgagc aatatcaa	aat taaaaaccag tgtctttcag	60
caatagcatc	tgatgcagaa caagaacct	aaattgatcc atatgcattt gttgaaggag	120
atgaggaatt	cctttttcct gataaaaaag	atagacaaaa tagtgagaga gaagctggaa	180
aaaaacacaa	ggtaagagaa atcacagtac	accaaagggt cactgttgat tttgtagcac	240
tgcatatagt	aacactctta ctaccacagt	tatctcactt cttttgtctt agaatagaaa	300
gagtaatcat	ttatttagaa aaacctattt	ttgccgggct gcggtggctc atgcctg	357

<210> 283
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 283			
ctgggggtgc	ccgcaacctg ccttcagcc	tggagtatct gctgttgctc tacaaccgca	60
tcgtcaaact	ggcgccctgag gacctggcca	atctgacgc cctgcgtgtg ctcatgtgg	120
gcggaaattg	ccgcgcgtgc gaccacgctc	ccaaccctg catggagtgc cctcgtcact	180
tccccagct	acatcccgat accttcagcc	acctgagccg tcttgaaggc ctggtgttga	240
aggacagttc	tctctcctgg ctgaatgcc	gttggttccg tgggctggga aacctccgag	300
tgctggacct	gagtgagaac ttctctaca	aatgcatcac taaaaccaag gccttcagg	360
gcctaacaca	gctgcgcaag cttaacctgt	ccttcaatta ccaaaagagg gtgtcctttg	420
cccaccttgt	ctctggggcc cctttccttc	ggggaagcct gggtcgcccc ttgaaggagg	480
ctgggacatg	gcacggcaat ctttctttcc	cgctccactt cgaatggggg aagacc	536

<210> 284
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 284
 gtatcttatt tgcggcgctg atctggagtt cgttcgatga gaatatagaa gottcagccg 60
 gaggcggcgg tggttcgccc atcgacgctg tcatgggtga ttcagggtgcg gtagttgagc 120
 agtacaaacg catgcaaagc caggaatcaa gcgcgaagcg ttctgatgaa cagcgcaaga 180
 tgaaggaaca gcaggctgct gaagaactgc gtgagaaaca agcggctgaa caggaacgcc 240
 tgaagcaact tgagaaagag cggttagcgg ctccaggagca gaaaaagcag gctgaagaag 300
 ccgcaaaaca ggccgagtta aagcagaagc aagctgaaga ggccgcagcg aaagcggcgg 360
 cagatgctaa agcgaaggcc gaagcagatg ctaaagctgc ggaagaagca gcgaagaaag 420
 cggctgcaga cgcaaaagaaa 440

<210> 285
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 285
 gcgatggaaa tcgtccacga gccgcgcgac ctccagcggt acatgcgcga ggccgtgaag 60
 gtgtcgaacg attcgcgggt gctgctcgac cgcttcctga acgacgcgat cgagtgcga 119

<210> 286
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 286
 aaacagggga ttttaagtgtg tcttttgtgt ttgcaaggca ctaacaccac tcccgctctgt 60
 atttaaatgc tgtccccagg ttacgactat ggctatgtct gcgtggagtt ttactcttg 120
 gaagatgcc a tcggatgcat ggaggccaac cagggttgctt tatacttcgg tcaaatgatg 180
 ctggaaggat atattttttt atatatgggg agggagggtt tcaaatgatt ttactttgga 240
 aaggtacaag aagtctatct gtggagcata ctgtattcca accatcgggt gtgaggaaaa 300
 tcttttaaaa ggctggaaaag ctttctctag aaaacttaat gggcacagag tgcattttta 360
 aagctagagc ccagttgctt ttggactaga ttccaaaa 398

<210> 287
 <211> 1177
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1177)
 <223> n = a,t,c or g

<400> 287

cccacgcgtc	cgctcctctg	ggggtcaaga	ggaccccgcc	agccagcagt	gggcacgacc	60
gcgcttcaca	cagccctcca	agatgaggcg	ccgggtgatc	gcacggcccg	tgggtagctc	120
cgtgcggctc	aagtgcgtgg	ccagcgggca	ccctcgggcc	gacatcacgt	ggatgaagga	180
cgaccaggcc	ttgacgcgcc	cagaggccgc	tgagcccagg	aagaagaagt	ggacactgag	240
cctgaagaac	ctgcggccgg	aggacagcgg	caaatacacc	tgccgcgtgt	cgaaccgcgc	300
gggcgccatc	aacgccacct	acaaggtgga	tgtgatccag	cggacccggt	ccaagcccggt	360
gctcacaggc	acgcaccccc	tgaacacgac	ggtggacttc	ggggggacca	cgtccttcca	420
gtgcaagggt	cgcagcgacg	tgaagccggt	gatccagtgg	ctgaagcgcg	tggagtacgg	480
cgccgagggc	cgcacaaact	ccaccatcga	tgtgggcggc	cagaagtttg	tgggtgctgc	540
cacgggtgac	gtgtggtcgc	ggcccgacgg	ctcctacctc	aataagctgc	tcataccccg	600
tgcccgccag	gacgatgcgg	gcatgtacat	ctgccttggc	gccaacacca	tgggctacag	660
cttcgcgacg	gccttcccca	ccgtgctgcc	agacccaaaa	ccgccagggc	cacctgtggc	720
ctcctcgtcc	tcggccacta	gcctgcctgt	gcccgtggtc	atcggcattc	cagccggcgc	780
tgtcttcac	ctgggcaccc	tgtcctgtgt	gctttgccag	gcccagaaga	agccgtgcac	840
ccccgcgcct	gccccctccc	tgcttgggca	ccgcccgccg	gggacggccc	gcgaccgcag	900
cggagacaag	gaccttccct	cgttggccgc	cctcagcgct	ggccctgggt	tggggctgtg	960
tgaggagcat	gggtctccgg	cagcccccca	gcacttactg	ggcccaggcc	cagttgtctg	1020
ccctaagttg	taccccaaac	tctacacagg	acattccaca	ccacacacat	acacacaccc	1080
cccacctcc	tgccaattaa	acagtagcca	ttcccnnaaa	atnnnnnnnn	nnnnnnnncn	1140
nnnnnnnnnn	nnnnnctcgg	cccccgcta	ttcaccg			1177

<210> 288
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 288

tgaattttca	ttttacaggg	aagtgtttgt	ttatgtcagg	gctcagttag	gtccagctga	60
cccatatgga	tgatcacact	ctaccagggg	attgaagctc			100

<210> 289
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 289

cggcacgagc	ggcacgagag	tcagaggggtt	ttaattttact	tgtgaagctc	acactattga	60
aactaattgc	aatgcttgac	tttatttttct	ttagagtgcca	agaaagagaa	aaacaaggca	120
tagcacaagt	ccccctctag	agtgtcatgt	tggttgggta	atggattcca	gagaccatgg	180
gccaggaaca	tcctctgtca	gcacttcaaa	tgcttcacct	tcagaaggcg	caccactagc	240
aggaagttat	ggatgtactc	ctcattcatt	cccaaagttc	cagcatcctt	ctcatgaact	300
tttgaaggaa	aatggcttta	cccaacaagt	gtaccacaag	tatcgtcgaa	gatgcctaa	360
tgagagaaaa	cgcttgggaa	ttggtcagtc	ccaagaaatg	aatacc		406

<210> 290

<211> 359

<212> DNA

<213> Homo sapiens

<400> 290

ccccgagcgc	gccccgagcgc	ggggggccga	gacggcagtg	cctaccaggg	cgcgctgttg	60
cctcgagAAC	agttcgcggc	cccgttggg	cgcccggtgg	ggacctcgta	ctccgccacc	120
tacccggcct	acgtgagccc	cgacgtggcc	cagtcctgga	ctgccgggccc	cttcgatggc	180
agcgtcctgc	acggcctccc	aggccgcagg	cccaccttcg	tgtccgaactt	cttggaggag	240
ttcccggtg	agggctcgtga	gtgtgtcaac	tgccggggccc	tgtccacacc	gctgtggcgc	300
cgagatggca	ccggccacta	cctgtgcaat	gcctgcggcc	tctaccacaa	gatgaatgg	359

<210> 291

<211> 954

<212> DNA

<213> Homo sapiens

<400> 291

cccagatcat	cgacatggtg	cgttgtggtg	gtggtacagc	tgtggagtct	tacctgtcac	60
agtgtcaaga	aatgaagggg	atgaacggaa	ccaggtgctg	accctgtatc	tgtggatacg	120
gcaggagtgg	acagatgcct	acctacgatg	ggaccccaat	gcctatgggtg	gcctggatgc	180
catccgcctc	cccagcagtc	ttgtgtggcg	gccagacatc	gtactctata	acaagtactg	240
cctatctggg	ccccctctct	ctcttaccac	tctctagact	tgcccttagc	tgtgggggtg	300
tagtgatccc	ctctccctac	cacataacct	ggttgccacg	ctgccctgga	agcttttccc	360
caggaccctt	ctaagctgcc	aagcaactcag	cccctccatg	gcaccccccac	tttaggctat	420
cccaggccag	ccaggetga	acgtctctct	ggaacctact	gtgtggtcca	gggcagatgt	480
ctgaatcaca	agggcctctc	tagggcaccac	ttttagctct	aagtctctca	gggctccccc	540
aagagcctgt	ctaagggctc	ctttcctcca	ggacatagcc	ctctggaaca	ctgctttatg	600
tctccttgac	cagttccgtg	tctcccagcc	agcacatagc	tctgcataatt	ttctctgggg	660
cccttctaca	agttttgcag	atgtccccca	agggaagtca	ctgtgtgtcc	cggagctacc	720
tctgggttct	gcagaggcct	ttttatacat	cctctggcta	cgtctgtgtc	ccttctggcg	780
ccttcaggca	ccaccccttc	caggcctcga	aaggcagcgg	gtctctctag	gtgcaactcca	840
ccctctgtgt	tgctttgttc	tgaaaacaag	aatcaaatta	acgaaaaaaa	aacaagcaca	900
agtttattta	tttatttgag	acacagcctg	ggcaagagag	tgagacttca	tctc	954

<210> 292
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 292
 tacgcactga ctgggtgcgtt gggtattgtc accgggatgg tgatgggaaa tatcgccgat 60
 tattttcaatc tgcctgtttc cagtatgagt aataccttca ccttctctca cgcgggcatt 120
 ttaatctcta tcttctctcaa cgcctggctg atggaaatcg tcccgttgaa aacgcagtta 180
 cgttttggct ttctctgat ggtgctggcg gttgccggtt tgatgttcag ccacagcctg 240
 gcgtgtttct cggcgccgat gttcattctc ggggtggcca gcggcatcac catgtcgatt 300
 ggtacattcc tggtaacaca aatgtatgaa gggcgctcagc gcggttcccg cctgttattt 360
 accgactcct tcttcagtat ggctgggatg attttcccaa tgatcgccgc gtttctactg 420
 gcgcgcagca ttgagtggta ctgggtttat gcctgcacgc ggctggtgta tgtcgctatt 480
 tttattctga ccttcggctg tgagttcccg gcgctgtgca gccatgcgac taagttgggt 540
 accgccagta gttatcccag tctggacgtt gtacagctac ggacattgaa tgcgt 595

<210> 293
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (552)
 <223> n = a,t,c or g

<400> 293
 tcttgaagag ccgctgctga tcaacaccag cttaagcaaa gaacagcgtc gggaaaaagc 60
 cctgtcgatg atggcgaaag tcggcctgaa aaccgagcac tatgaccgct atccgcata 120
 gttctccggc ggtcagcgtc agcgtatcgc catcgcccgt ggtctgatgc tcgaccggga 180
 tgtggtgatt gccgatgaac cgttttccgc gctggatgtt tcagtgcgcg cgcaggtgct 240
 gaatctgatg atggatttgc agcaggagtt ggggctgtct tatgtcttta tctccacga 300
 cctgtcggtg gtggagcaca ttgctgatga agtgatggtg atgtacctgg gccgctgcgt 360
 ggagaaggga acgaaagacc aaatcttcaa taaccgcgc catccgtaca ctcaggcgct 420
 actttccgcg acgccgcgcc tgaaccggga cgatcgccgc gagcgcatca agctcagcgg 480
 tgaactacca agcccactga atccaccgcc ggggttgcgc ttcaacgccc gctgttgcg 540
 gcgnttcggc cc 552

<210> 294
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 294
tagcgccacc cttgaacggg tactaaatca ccctgacgaa acgcaagccc gacgcttaat 60
gacgctggaa gatatcgtea gtggttattc caatgtgttg atttccctgg cagatagtca 120
gggtaaaacg gtgtatcaact cccccgggtg gccggatata cgcgagttaa cgcgtgacgc 180
cataccgat aaagacgctc aggggtggcga ggtgtatctc ctttccggcc cgcgatgat 240
gatgccaggc cacggtcacg ggcataatga acacagcaac tggcggatga ttaacttgcc 300
ggttggtggcgt ttggtggacg gcaaaccgat ttatacgcctc tacatcgccg tttcgatcga 360
ttttcatctt cattacataa atgatttgat gaataaactt attatgaccg catcggtaat 420
catcat 426

<210> 295
<211> 340
<212> DNA
<213> Homo sapiens

<400> 295
gggtgctggc gtatccgggg attaaagtct cgaaggcaga agccagggct attttaccgg 60
cgcagtatcg ccgccaggat tgcattgcgc aaggggcgaca tctggcaggc ttcattcacg 120
cctgctattc ccgtcagcct gagcttgccg cgaagctgat gaaagatgtt atcgctgaac 180
cctaccgtga acggttactg ccaggcttcc ggcaggcgcg gcaggcggtc gcggaatcg 240
gcgcggtagc gagcggatc tccggctccg gcccgcactt gttcgctctg tgtgacaagc 300
cggaaaccgc ccagcgcgtt gccgactggt tgggtaaaa 340

<210> 296
<211> 281
<212> DNA
<213> Homo sapiens

<400> 296
cgggcagcag cagcgcgtgg cgctggcccg cgcgctgata ctcaagccga aagtgcctgt 60
gtttgatgag ccgttgagta acctcgacgc caacctgcgt cgcagcatgc gcgacaagat 120
ccgcgagttg caaaagcagt ttgatatac ctgcgtgtac gtcacccacg atcagagcga 180
agcctttgcg gtttctgata ctgtgctggt gatgaacaag gggcacatca tgcagatcgg 240
ctcaccgcag gatctccggg tacggagatt gaattggtaa t 281

<210> 297
<211> 155
<212> DNA
<213> Homo sapiens

<400> 297

tggcgggtgca	ttacctagag	cgggtgagaa	ttgccgaaca	tgcgcataag	tttcccggac	60
agatttcagg	tggtcagcag	caacgcgttg	ccattgcgcg	ttcgctgtgt	atgaagccga	120
aaattatgtt	gtttgatgag	ccaacgtcgg	cgctc			155

<210> 298

<211> 217

<212> DNA

<213> Homo sapiens

<400> 298

gctccctatg	acgcgcgaaaa	ttattttgat	tatgacaatc	tgaataacgg	accttctttg	60
cagcactggg	ttggcgctga	ttcactgggg	cgtgacattt	tcagccgtgt	cctggttggg	120
gcgcaaatct	cgctggcggc	gggcgtgttt	gcgctgttta	tcggtgcggc	gatcgggacg	180
ttgctgggct	tgctcgctgg	atattatgaa	ggctggg			217

<210> 299

<211> 568

<212> DNA

<213> Homo sapiens

<400> 299

aggtattctg	tctgatcgct	gaccttgacc	cgatcgatga	gcttgtggac	ttcccgatcg	60
tttacgcttc	tgcgctgaac	ggtatcgcg	gtctggacca	cgaagatatg	gcggaagaca	120
tgaccccgct	gtaccaggcg	attgttgacc	acgttcctgc	gccggacggt	gaccttgacg	180
gtccgttcca	gatgcagatt	tctcagctcg	attacaacag	ctatgttggc	gttatcggca	240
ttggccgcat	caagcgcggt	aaagtgaagc	cgaaccagca	ggtoactatc	atcgatagcg	300
aaggcaaaac	ccgcaacgcg	aaagtcggt	aagtgcgtgg	ccacctcggt	ctggaacgta	360
tcgaaaccga	tctggcgga	gctggcgata	tcgttgcgat	cacgggcctt	ggcgaactga	420
acatttctga	caccgtttgc	gacacgcaaa	acgttgaagc	gctgccggca	ctctccgttg	480
atgagccgac	cgtttctatg	ttcttctgcg	ttaacacctc	gccgttctgc	ggtaaagaag	540
gtaagtctgt	aacgtctcgt	cagatcct				568

<210> 300

<211> 366

<212> DNA

<213> Homo sapiens


```

<400> 300
caaggcaccg gcgctgaatc tcaagggtcc tccaaagata aaaccgcgtc tgccttcgct 60
ggcctgaaat tcggtgacta cggctccatc gattacggcc gtaactacgg tgtagcatac 120
gacatcgggtg cgtggactga cgtcctgcca gaattcgggtg gtgacacttg gactcaaacc 180
gacgtgttca tgactcaacg tgcaactggg gttgcaacct atcgtaacaa cgacttcttt 240
ggctcgtgtg atgggtctgaa ctttgctgct cagtaccaag gcaaaaacga tcgtagcgat 300
ttcgataact acactgaagg taacggccac ggcttcgggt tctctgctac ctatgaatac 360
gaaggg
366

```

```

<210> 301
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 301
gcgataccta ttccgtttct attccgctgg gagccaccat caatatggcg ggcgagcaa 60
tcactattac cgtgttgacg ctggctgcgg ttaatacgtc gggattccg gtcgatctgc 120
ccacggcgct gctgttgagc gtggtggctt ctctgtgtgc ctgtggcgca tccggcgtgg 180
cgggggggtc tctgctgct
199

```

```

<210> 302
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 302
gccaacgcgc agcaagggt gccagtggt atcaccctga agctaaataa cttgtcgat 60
aaaggcctgg ttgatcgtct gtatgcggcc tccagctcgg gcgttcgggt taatctgctg 120
gttcgcggaa cgtgttcgct
140

```

```

<210> 303
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<400> 303
cgcgcaatg acgctcatcc ccggcacaca tctgctggaa aacatccaca acatctgggt 60
gaacggggta ggcacgaata gcgcgcggt ctggcggatg ttgcttaaca gctttgtgat 120

```

```

ggcgttcagc attacgctcg gcaaaattac cgtctcgatg ctctcggcat ttgccattgt 180
ctggtttcgt tttccgctac gtaacctctt cttctggatg atttttatca ccctgatgct 240
gccggttgaa gtacgtatct tcccgaaggc ggaagtcacg gccaacctgc agatgctcga 300
cagctacgcc ggtttaacgc tgcgctgat ggctcggcg accgctactt tcctgttcgg 360
caagttaaat atgtcggggc cggacaaggc ggtgccagcc gcgcggatct ccgggtacgg 420
acctagagtt cgtaagcaag a 441

```

```

<210> 304
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 304
ctgtgcgaaa tgtttgcgtg atgcggatga atgccccctc ggggcgtttg aacggattgg 60
tcgcgatatc agccttgacg ctctggaacg ggaagtgatg aaagatgaca ttttctttcg 120
cacgtccggc ggccggcgta cgttttctgg cggcgaagtg ttaatgcagg cggagtttgc 180
taccggtttt ttacagcgac tgcggctgtg ggggtgtgtc tgcgccattg aaactgccgg 240
agacgcacca gccagcaagc tattaccgct ggogaaattg tgcgatgaag tgttgttcga 300
tttaaaaatt atggacgcga ctcaggcgcg ggatgtggtg aagatgaacc tgccacgcgt 360
gctggagaat ctgcgtttgc tggtagtgta gggcgtaaac gt 402

```

```

<210> 305
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 305
tacctgttat tgtttgtctg cttccttgtg atgtctctgc tggttgggct ggtgtacaaa 60
tttaccgccc aacgcgcggg caaacagtcg ctggatgatt tgatgaacag ttcgctgtat 120
ctgatgcgca gcgaattgcg tgagatcccc ccacacgact ggggtaaaac tctgaaagag 180
atggatttaa atctctctt cgatctgcgt gtcgagccac tgagtaaata ccatcttgat 240
gatatttcca tgcaccgact gcgtggcggc gaaattgtcg ccctggacga tcagtacacg 300
tttttgcagc gtatcccgcg cagccactac gtgctggcag ttggtc 346

```

```

<210> 306
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 306

```

```

gttgaattat tcctcagcga tgaaggcgat gatgtggtga ttgaagtcgc cgatcagggc      60
tgcggcggttc cagagtctct acgagacaaa atatttgagc aggggggtcag tacgcgtgct    120
gacgagcccg gtgaacatgg cattggggtg tacttgattg ccagctacgt aacgcgctgc    180
ggtggtgtta tcactctcga agataat                                     207

```

```

<210> 307
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<400> 307
tcgacgccat tatcgccccc gatgccaaag cctgcccgc tgcgcacaaa gccgcagaaa      60
acttgaaaaa tgacaaagta gcgattgtcg gattcagtac gccaaatgtg atgcgcccgt    120
atgtagagcg cggcacgggtg aaagaatttg gcctgtggga tgtggttcag caaggcaaaa    180
tatcagtgtg tgtggcggat gcattacagt aaaa                                     214

```

```

<210> 308
<211> 129
<212> DNA
<213> Homo sapiens

```

```

<400> 308
tacatcgtag tgacggggaa aacacattgc ggtacgccac ttactaccgt tacaggagac      60
gcaacgcaat cgggttatct gacgtgaac ctgcctgaaa tgtgggaagt gtcaggttat    120
aaccggtgtt                                     129

```

```

<210> 309
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = a,t,c or g

```

```

<400> 309
gccggttttg ccgcattcaat ggtgcttagc gatgactcaa cgtaccagtg cgccgactgc      60
aaatctgccc gccgggccag taaggagtac ccagttcat caagaagctg gcttgccact    120
ttcggaacg cgaccggatt aagcttcaat gactttgtct ggttatttgt aagtgcgctt    180

```

aaccgtgcct	caataatfff	catttttccc	gcgacatcgt	tgagctgctg	ccgggttttg	240
ctggcattaa	tatcgggttc	cacaccttca	actgaagaag	taatccggtt	ctgatatagc	300
tggcgatcgg	tcgcgataat	ggcgntctgc	tctttttcta	tttgctgcaa	gaccgtgg	358

<210> 310
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 310						
tggcggcctt	cctgagagaa	tattgcgcag	gagtaacgca	ctaaacgcta	tcgttctaac	60
gtcatcaact	gggggatggt	accgctgcaa	atggcggaag	taccaacctt	tgaagtgggg	120
gattacattt	acatccctgg	cattaaagcg	gcgctggata	atccgggtac	gacgtttaaa	180
ggttatgtga	tccatgaaga	tgccgcggta	acggaaatta	cgctctatat	ggaaagtcag	240
gaagccagaa	cag					253

<210> 311
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 311						
gctgcaaact	gaaattggca	gcatggtcta	tgccggtgaaa	ccaggcgatg	gttctgcgcg	60
tgaacaggcg	gcgagctgcc	agcgtgtgat	tggcggctctg	gcgaatattg	ccgaggagta	120
cgcgactaaa	cgctatcggt	ctaacgtcat	caactggggg	atgttacgcg	tgcaaattggc	180
ggaagtacca	acctttgaag	tgggggatta	catttacatc	cttggcttta	aagcggctaa	240
gtatagtcgg	ggcacggcgt	ttacagtcta	tgcgatctcc	gggtacggac	ctcgaatctg	300
ataa						304

<210> 312
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 312						
actctagagg	atctgctgat	ggcgttagat	ggagagcaac	atcttcagca	acaggtatcg	60
gaaaaagtat	tagccgataa	tgtgttaatt	gcccctgggt	ctgttaaacc	tgatgcgaca	120
ttctggtcgg	ccttaatcca	ggatcgctat	aacgtgatga	cctgtattga	aaaagacgcc	180
tgcttcctgg	tcgagcaaga	tctgaatagt	gatggtcagg	cggagcggat	cctgtttgct	240
tttaatgatg	acagagtcac	tgtctatggc	tttgactcag	acagaaaaga	atgggacgcg	300

cttgatatga gtttacttcc gaacgaaata acgaaagaaa aatt

344

<210> 313
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 313
 agagtcaa at agcagatgca ggaagatgcc aggtgaaaga tgccgggggtg gccagctcg 60
 gctgtccctg ctgcttgacc tgcccactcg cctctctccc ccccccgac aggtgattga 120
 cttcggtacc gccagcattt tcagcgaggt gcgctacgtg aaggagccat acatccagtc 180
 gcgcttctac cgggcccctg agatcctgct ggggctgccc ttctgcgaga aggtggacgt 240
 gtgggtccctg ggctgcgtca tggatgagct gcacctgggc tggcctctct accccggcaa 300
 caacgagtac gaccaggtgc gctacatctg cgaaacccag ggctgccc agccacacct 360
 gttgcacgcc gcctgcaagg cccaccactt cttcaagcgc aacccccacc ctgacgtgct 420
 caaccctcag cagctcaagt cctcggctga ctacctggcc gagacgaagg tgcgccatt 480
 ggagcgccgc aagtatatgc tcaagtcgtt ggaccagatt gagacagtga atgggtggcag 540
 tgtggccagt cggctaacct tccctgaccg ggaggcgctg gggagcacg ccgaacctca 600
 gagcatgggt gagctgataa gcgcctgctc 630

<210> 314
 <211> 2285
 <212> DNA
 <213> Homo sapiens

<400> 314
 cgccttgtaa agaaacgagt tgagtgtagg cagtgtggga aggcgggcag gaaccagtca 60
 acgctgaaga cgcacatgcy aagccacacg ggggagaaac cgtacgaatg cgatcactgt 120
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<212> DNA

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 <213> Homo sapiens

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 <223> n = a,t,c or g

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 <212> DNA

<213> Homo sapiens

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<210> 328

<211> 1293

<212> DNA

<213> Homo sapiens

<220>

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<223> n = a,t,c or g

<400> 328

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 <211> 1734
 <212> DNA
 <213> Homo sapiens

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<211> 1796

<212> DNA

<213> Homo sapiens

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<211> 1771

<212> DNA

<213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<212> DNA
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 <212> DNA
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<400> 366

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<211> 2056

<212> DNA

<213> Homo sapiens

<400> 367

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 372

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<210> 393
 <211> 1938
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

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<400> 393
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<210> 394
<211> 1283
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)...(1283)
<223> n = a,t,c or g

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<210> 395
 <211> 2149
 <212> DNA
 <213> Homo sapiens

<400> 395

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2149

<210> 396
 <211> 1895
 <212> DNA
 <213> Homo sapiens

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<210> 397
 <211> 2416
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = a,t,c or g

<400> 397

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 <211> 1495
 <212> DNA
 <213> Homo sapiens

<400> 398

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 <213> Homo sapiens

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<213> Homo sapiens

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<210> 426
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(551)
 <223> n = a,t,c or g

<400> 426						
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<210> 427
 <211> 1579
 <212> DNA
 <213> Homo sapiens

<400> 427						
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<210> 428
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 428
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 taaacgaacg tacttgacga tgtgacaagc cgaggcggtg agccgggcag gaggaatgag 360
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<210> 429
 <211> 1567
 <212> DNA
 <213> Homo sapiens

<400> 429
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<210> 430
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 430
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 gccagggagc tggagcgtgt ggagcagcag tctcggctgg agcagctgag tgccgcagag 660
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<210> 431
 <211> 1524
 <212> DNA
 <213> Homo sapiens

<400> 431
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 ttccagataa ccacaaaaca tccaaacgta aaaccaaata ttccagaaaa acgaggaatc 240
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<210> 432
 <211> 1908
 <212> DNA
 <213> Homo sapiens

<400> 432

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<210> 433
 <211> 1714
 <212> DNA
 <213> Homo sapiens

<400> 433

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<210> 434
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 434						
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<210> 435
 <211> 1893
 <212> DNA
 <213> Homo sapiens

<400> 435						
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<210> 445
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 445

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<210> 446

<211> 468
 <212> DNA
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<400> 446
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<210> 447
 <211> 1030
 <212> DNA
 <213> Homo sapiens

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<210> 448
 <211> 1936
 <212> DNA
 <213> Homo sapiens

<400> 448

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<210> 449
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 449

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<210> 450
 <211> 1073
 <212> DNA
 <213> Homo sapiens

<400> 450

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<210> 451
 <211> 2674
 <212> DNA
 <213> Homo sapiens

<400> 451

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<210> 452
 <211> 601
 <212> DNA
 <213> Homo sapiens

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<400> 452
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gacactcttg gcactggcct ttcacatctg ttcaacaacc cctgagctga aaagttgcag 180
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<210> 453
 <211> 474
 <212> DNA
 <213> Homo sapiens

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<400> 453
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tggccatgat	catagccccc	atctgcctca	tccccttco	catcactctt	gtagtatgga	420
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<210> 454
 <211> 1838
 <212> DNA
 <213> Homo sapiens

<400> 454						
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gaaagcataa	actttttaaac	caagttcccc	tgaatatatta	caatgtggta	taaacattat	180
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<210> 455
 <211> 1790
 <212> DNA
 <213> Homo sapiens

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<210> 456
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<212> DNA
<213> Homo sapiens

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<223> n = a,t,c or g

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<212> DNA
<213> Homo sapiens
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<210> 458
<211> 1297
<212> DNA
<213> Homo sapiens
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235

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 <212> DNA
 <213> Homo sapiens

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 <211> 595
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <213> Homo sapiens

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<211> 1927

<212> DNA

<213> Homo sapiens

<400> 468

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 <212> DNA
 <213> Homo sapiens

<400> 473

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 <212> DNA
 <213> Homo sapiens

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<211> 3076

<212> DNA

<213> Homo sapiens

<400> 475

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<211> 959

<212> DNA

<213> Homo sapiens

<400> 476

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<211> 3652

<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 490

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 <212> DNA
 <213> Homo sapiens

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<210> 561
<211> 797
<212> DNA
<213> Homo sapiens

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<223> n = a,t,c or g

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<210> 562
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<212> DNA
<213> Homo sapiens

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<210> 563
 <211> 521
 <212> DNA
 <213> Homo sapiens

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<400> 563
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<210> 564
 <211> 840
 <212> DNA
 <213> Homo sapiens

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<400> 564
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 <211> 4345
 <212> DNA
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<210> 566

<211> 984

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(984)

<223> n = a,t,c or g

<400> 566

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 <211> 1775
 <212> DNA
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<400> 567

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 <212> DNA
 <213> Homo sapiens

<400> 573

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 <212> DNA
 <213> Homo sapiens

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 <211> 1106
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 1612
 <212> DNA
 <213> Homo sapiens

<400> 587
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<212> DNA
<213> Homo sapiens

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2047

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 <213> Homo sapiens

<400> 632

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 636
 <211> 1396
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(1396)
 <223> n = a,t,c or g

<400> 636
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 <211> 1475
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 1844
 <212> DNA
 <213> Homo sapiens

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 <223> n = a,t,c or g

<400> 639

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<210> 650

<211> 2231

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = a,t,c or g

<400> 650

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 <212> DNA
 <213> Homo sapiens

<400> 651

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 <211> 457
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(457)
 <223> n = a,t,c or g

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 654

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<211> 748

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 659
 <211> 538
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 661

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 <212> DNA
 <213> Homo sapiens

<400> 662

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 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 663						
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 <212> DNA
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<211> 411
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 666
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 cttacggcag ggatcattgg gaaaggtgta cttaggtaag aaagtctcag gctctgatgc 300
 taagcagctg tatgccatga aggtattgac gag 333

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 <211> 1991
 <212> DNA
 <213> Homo sapiens

<400> 667
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 <211> 539
 <212> DNA
 <213> Homo sapiens

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<210> 670
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 <212> DNA
 <213> Homo sapiens

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<210> 671
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 671

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 <211> 1038
 <212> DNA
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<400> 672						
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 <212> DNA
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<400> 673						
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 <213> Homo sapiens

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gtcctcagac	caaccagccc	aaggaaacatc	tcaccaattt	caaatcaggt	aagcgggtctt	180
ttcactctct	tctccaacct	ctcttgctgt	tgtctccccc	ttcaatctct	cccttcctta	240
atcttggttc	ctttcccttt	ctggtagaga	cagaagagac	gtgttttata	cataaactca	300
aaactccagc	gctggtcact	ccagacagtc	ttccgttggg	gtttaatcac	tgtgggggatg	360
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<210> 675
 <211> 1423
 <212> DNA
 <213> Homo sapiens

<400> 675						
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aagcaattct	cctgcctcac	cctcctaaga	atctggaatt	acgggcatgg	gccaccaccc	1380
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<210> 676
 <211> 621
 <212> DNA
 <213> Homo sapiens

<400> 676

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<210> 677
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 677

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acttcgcgga	gcagttccgc	tcctaactcag	agagcgagaa	gcaatggaag	gcccgcagtg	180
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cacagcagct	ctcttaagac	tcctgggtatt	accaacataa	agaggcagg	ggaatgagaa	540
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<210> 678
 <211> 1289
 <212> DNA
 <213> Homo sapiens

 <220> .
 <221> misc_feature
 <222> (1)...(1289)
 <223> n = a,t,c or g

<400> 678
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 cgttctaaag gaaggcgctc gttggccttc gtaccgctct tgagttaggt gacgagtgtt 300
 ttctagtact ggggtcggcc gcgcagccct ctccaggggtg ggtggcagga agagtgcggg 360
 gtcccgcgtg gtgcaaaagg tgggttcagg ttgcgggcca cacagcgcta ctccaggactt 420
 tttagtcttg tttattttct ccgtgcctgt tcccggcccc cgcagctcca cctctgggag 480
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 gtccggtagc tggtcactct cgggggaagg tcgtgtgcag aagggcacat gcgatcacac 1200
 agagacggcg ttgctgcggc tttgaccgca tgggtgcacc gaaagaacac agaggggtgaa 1260
 gggagagatc caggaagtgg tcgcggagc

<210> 679
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 679
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 catgcaccac cacaccggc taattttttg tatttttagt agagacaggg tttctccatg 180
 ttggtcaggc tggctcttga ctctggacct cagggtgatc gcccgcttg gccctccaaa 240
 ttactgggat tacaggcgtg agccactgcg cccggcctct ttaatttctt ttaattcctg 300
 ttccaatgca gagaagaaca taagaagaaa aaccagaag tccctgtcaa ttttgagaa 360
 ttttccaaga aatgctctgg gagtggaag acaatgtcca gtaaagagaa atttaaattt 420

ggtgaaatgg caaaggcgga tgaagtgtgc tatgatcggg aaatgaagga ttatggacca 480
gctaaggagg gcaagaagaa ggatcctaata gcccccaaaa ggccaccatc tggattctt 539

<210> 680
<211> 349
<212> DNA
<213> Homo sapiens

<400> 680
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gaaatttgat tacatactgt tagagaccac tggattagca gaccctggta agaagtgaga 240
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ctaaaatgag gattaaagct tttgttagta ttaaaccaaa aactttttt 349

<210> 681
<211> 329
<212> DNA
<213> Homo sapiens

<400> 681
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gttccaaagc caaggagcct agaacgccct caagcagcta cgggaccgcc caataccgac 180
gctggccaat agcccaggag tataaacact gcaccgcgca caatgacaca ggcactctct 240
gctccgagct gagagaacca tggaggagac cgcagttagc agagccactg aactcatgac 300
aacgtgaagc gaactagaaa gtaatactc 329

<210> 682
<211> 574
<212> DNA
<213> Homo sapiens

<400> 682
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tgatgggcga caaccctttt caaccaaaaa gtaattcaaa aatggcagaa ctgtttatgg 180
aatgtgaaga agaggagctg gaaccatggc agaagaaagt aaaagaagtt gaggatgacg 240
atgatgatga gccaatcttt gttggcgaga tatcaagttc aaaaccagca atttcaaata 300

ttttgaacag	agttaacccc	agctcatatt	caaggggact	aaagaatggg	gcactcagtc	360
gaggtattac	tgctgcattc	aagcctacaa	gtcaacacta	cacgaatcca	acatcaaata	420
cagtgcctgc	ctcaccaata	aatttttcac	ctgagtctag	atcttcagat	agttctgtta	480
ttggtcagcc	tttttctaaa	cctgtaagtg	tttctaaaac	tatacggcca	gtcaggggat	540
ccattggatg	ttgtttatca	atatcaacag	tacc			574

<210> 683
 <211> 627
 <212> DNA
 <213> Homo sapiens

<400> 683						
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tgthttgcatt	ctaccatgat	aaagatggaa	atcctctcac	ttcaagattt	gcagatggcc	120
tcccaccttt	taattatagt	ctgggattat	atcaatggag	tgataaaagta	gttcgaaaag	180
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tggcattaat	ggaggacact	gggagacaga	tgctgagccc	ttactgtgac	acgctcagaa	480
gtaacccact	gcagctaact	tgcagacagg	accagagagc	agttgccgtg	gtgtaatttg	540
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cctgcagaag	atthtgcctta	ttatggg				627

<210> 684
 <211> 1271
 <212> DNA
 <213> Homo sapiens

<400> 684						
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gcggaggagc	agccccagcg	ccaggcctcc	cgacgtcccc	gggcagcagc	ccaaggccgc	120
gaagtcctcg	tctccagttc	agggcaagaa	gagtcgcgca	ctcctatgca	tagaaaaagt	180
aacaactgat	aaagatccca	aggaagaaaa	agagggaagaa	gacgattctg	ccctccctca	240
ggaagthttcc	attgctgcat	ctagacctag	ccggggctgg	cgtagtagta	ggacatctgt	300
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gaagaaacat	gatgcagact	ccttctacca	gttttcttgc	aatatctgtg	gcaaaaaatt	1140
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<210> 685
 <211> 685
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = a,t,c or g

<400> 685						
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<210> 686
 <211> 962
 <212> DNA
 <213> Homo sapiens

<400> 686						
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<210> 687
 <211> 676
 <212> DNA
 <213> Homo sapiens

<400> 687						
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<210> 688
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 688						
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<210> 689
 <211> 116

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 509

<212> DNA

<213> Homo sapiens

<400> 690

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<210> 691

<211> 1362

<212> DNA

<213> Homo sapiens

<400> 691

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<210> 692
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 692

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ttacagcaag	atagtgaact	ttggcaaaga	tgagtttcac	ctacatctgg	tggacacagc	360
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<210> 693
 <211> 1671
 <212> DNA
 <213> Homo sapiens

<400> 693

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<210> 694

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(898)

<223> n = a,t,c or g

<400> 694

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ccttggccat	ggcagcttgg	ttgggacagc	cgggccaaag	gaaaaaaagg	tgcaaaagtc	180
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<210> 695

<211> 630

<212> DNA

<213> Homo sapiens

<400> 695

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aagatccata	agaaacaagg	tgctggattt	ctccgttgtg	ttcgtctttt	tccagtgcga	180

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agatgttaca	agcccgggaag	cagcacatga	gcactgagct	gactattgag	tccgagggcgc	360
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acgagagtga	tgtagcagc	gcactaagtt	acatcttgcc	ttatctctca	ctgagaaatc	480
taggtgcaga	atcaatattg	ttaccgttca	ctgaacagct	atcttcaa	gtacaagatg	540
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taggtaacaa	atttaaaaac	aaaatatttg				630

<210> 696
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 696						
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<210> 697
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 697						
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<210> 698
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 698
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<210> 699
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 699
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 cg 422

<210> 700
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 700
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<210> 701
 <211> 977
 <212> DNA
 <213> Homo sapiens

<400> 701						
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<210> 702
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 702						
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acatgtcttt	caacctgcaa	tcataaaga	aactgttcat	tttcttagga	aaatcactgt	120
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catgtaagat	ggctcgggaa	gctggagcca	caagagtgc	cgctataacc	tgcgattgca	360
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<210> 703

<211> 987
 <212> DNA
 <213> Homo sapiens

<400> 703
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 tcaagtgtcg tatatagggg acaagtattg atgttcaata tgattcaaac tattactggt 180
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 cctcagcctg cctcccagggt agctgggact acaggcgcac aacaccatcg cttcttggat 900
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<210> 704
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 704
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 agagacattt gagcagaaat ccaagggtgg agagaccatg taaaagcagt aaaggttaata 420
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<210> 705
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (435)
 <223> n = a, t, c or g

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<400> 705
tttttttttt caattattta taaaacttta atgagggaga ggccctaact ctccctcagc      60
tctaccaact actgaaagga aaagctggtg ctggggagcc ctccacacca ctgactgatg      120
aatttcagca cgtcctggca cactgggctg tgggaggtct gtgagcaaat ggaagaacat      180
gagaggaact tgtaaatget ggaaatacaa aatcagctcc atcgaggtct tcaggggtctg      240
catctgcctt cctgtaatcc caccatctt tntagtgtgt atgtgggttt tttgtttgtt      300
ttgagacaaa gtcttgcttt gtcgcccagg ctggagtgcg gtggcacaat ctgagctcac      360
tgcaagctct gcctcccggg ttcaagcaat tctcctgcct cagcctcctc agtagctggc      420
attataggcg cgtgc                                     435

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<210> 706
<211> 894
<212> DNA
<213> Homo sapiens

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```

<400> 706
cggcacgagg ttgaggcgcc ggccgagggc agtatgggtt gaagtgggtga acatggattt      60
ttctcggttt cacatgtaca gtctcccca gtgtgtgccc gagaacacgg gctacacgta      120
tgcgctcagt tccagctatt ctccagatgc tctggatttt gagacggagg acaaattgga      180
ccctgtattt gattctccac ggatgtcccg ccgtagtttg cgcctggcca cgacagcatg      240
caccctgggg gatggtgagg ctgtgggtgc cgacagcggc accagcagcg ctgtctccct      300
gaagaaccga gcggccagggt gagcaccgct gcacttcctc tccatctgat ctctaaccac      360
agttaaaacc aagcttccat acttttttgt ctgtaaagcc gcaccctgtc tcgagcttaa      420
ggatatgtgt gtgtatgtgc gtgtacagac acacaaacct gccatataaa gtggtagtgt      480
gctgcaaata aagactgaaa ggaactctgg aatctgtgtg gcttgtctag tattgatgtt      540
ctgctgttct tgtttcaagt tctcttcgct ggtgcacgcc acgtgcagtg ccagcactca      600
ggtctggaag ctttgtggtc ctgtggtggg agctcagcta cagctgtcct accacatgtg      660
taaagaggaa ggaatcttac agattacaca tgctgtcgtg gacgatctcc gtgtccagtt      720
cattcttttt tctggagacg gactctcgtc cttgtcgcgc aggggtggaat gcagtggcac      780
gatctcagct cactgcctcc tctgtctccc gggttcaagc gattctactg cagcagcct      840
cctgagtagc tgggattaca ggcccccgc accacgcctg ggcaacagag tgag          894

```

```

<210> 707
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = a,t,c or g

```

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<400> 707
ttcttcaggg actgtaaact ggattcctgg aacctttgat attcctggct gtgtatagtg      60

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cctgttgggtg	gactgtactg	atactcaact	agagtgtgaa	gggactggat	tcctgcccct	120
gagacacaat	gcaagctgta	gtgcccttga	acaagatgac	agccatctca	ccagaacctc	180
aaactctggc	ctcgactgaa	caaaatgagg	tccaagagt	ggttacttct	ggggaacaag	240
aagctatttt	aagaggaaat	gctgctgatg	cagagtcttt	cagacagagg	tttaggtggt	300
tttgttactc	agaagtagct	ggacccagga	aagctctgag	tcaactctgg	gagctctgca	360
atcagtggct	gagaccagac	attcacacga	aagaancaga	ttttagagct		410

<210> 708
 <211> 650
 <212> DNA
 <213> Homo sapiens

<400> 708						
gccgatttgc	ctgttctcac	gccccaccct	cagacctage	eggagcaaag	tttcaacttat	60
agaagggaga	ggagcgaaca	tggcagcgcg	ttggcggttt	tgggtgtgtct	ctgtgaccat	120
ggtggtggcg	ctgctcatcg	tttgcgacgt	tccctcagcc	tctgccc aaa	gaaagaagga	180
gatggtgtta	tctgaaaagg	ttagtcagct	gatggaatgg	actaacaaaa	gacctgtaat	240
aagaatgaat	ggagacaagt	tccgtcgcc	tgtgaaagcc	ccaccgagaa	attactccgt	300
tatcgtcatg	ttcactgctc	tccaactgca	tagacagtgt	gtcgtttgca	agtatgaact	360
ccaactacgc	tttaaaatta	aataactcat	ataacgttaa	ccattttctca	atcccagaag	420
ggccaagtta	gtgcagtagg	tacttaata	atgtgtatac	cttactcagg	atgtctatgg	480
tagcaatact	actgctcttt	tatagtcaat	tcttgattat	ccgtatcagt	gggggaagca	540
tggataaata	attgtggtag	ccatcataaa	agtaacttaa	agatcaaaac	gtcatcttat	600
aaattagtat	caacttggcg	gggcattggg	gctcatgccc	gtaatccccg		650

<210> 709
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 709						
tttcgtggcg	aacgaggccc	cacctctgcc	gggagcgggg	cgagcgcgca	ggcgagctct	60
ccccagggtg	tagacgctgc	ggccccggcc	ggcggggtaaa	taacagatgc	gggtgaaaga	120
tccaactaaa	gctttacctg	agaaagccaa	aagaagtaaa	aggcctactg	tacctcatga	180
tgaagactct	tcagatgata	ttgctgtagg	tttaacttgc	caacatgtaa	gtcatgctat	240
cagcgtgaat	catgtaaaga	gagcaatagc	tgagaatctg	tggtcagttt	gctcagaatg	300
tttaaaagaa	agaagattct	atgatgggca	gctagtactt	acttctgata	tttggttgtg	360
cctcaagtgt	ggcttccagg	gatgtggtaa	aaactcagaa	agccaacatt	cattgaagca	420
ctttaagagt	tccagaacag	agccccattg	tattataatt	aatctgagca	catggattat	480
atgggtggtat	gaatgggatg	aaaaaatttt	cacccctttg	aataaaaaag	gttg	534

<210> 710
 <211> 478
 <212> DNA

<213> Homo sapiens

<400> 710

gattgagacc	ctatttcgaga	ccatagtcca	tgtggtggaa	ttctgatgtc	tcaactccgg	60
cctctaggaa	cttgaatgag	gacaggaggg	tcagagggag	agcctaggag	gctgagccaa	120
ggagcgtgga	gaggagagac	aggggtgaagg	tggcggctgg	ctttctggaa	gcagggtggcc	180
tttggtgcgg	tcagcattcg	tgccagcccc	ctcttctctg	atcctctcca	tgtgtctctc	240
tcctggaatc	ccagaagctg	cccctgactc	cccatctaact	gcctctgccc	ctaccccccta	300
ggtgatgctt	ctgggagaca	caggcgtcgg	caaaacatgt	ttcctgatcc	aattcaaaga	360
cggggccttc	ctgtccggaa	ccttcatagc	caccgtcggc	atagacttca	gggtgagggtg	420
gctgcaggca	cttgcttcca	gcagagagcc	agggctgtgg	ctcaggcatg	gggggggtt	478

<210> 711

<211> 585

<212> DNA

<213> Homo sapiens

<400> 711

cttctacccc	cggagctcag	ctgatcttcc	cttccagact	acgaggtgtg	aatttcaaac	60
ttccgtaatg	gagttagccc	acagtttatt	gctaaatgaa	gaagctttgg	ctcaaatacac	120
cgaagcaaaa	agaccagttt	tcactcttga	atggttgcga	tttcttgata	aagtcttgggt	180
tgctgccaac	aaggatatgg	attgctcttt	tttccagtt	gcattaacgt	gaagagatta	240
tgtggtcatg	attcttaaga	aaacacatgt	tatgttttgg	aaggtttatg	ggtcacttat	300
ggaacttgag	agtattacac	gaatgggaaa	tttagtggca	aaactcaaac	ctcgttttaa	360
tccagctcat	tgccatctct	ctttatgttt	gtacctgggc	agctcattgt	aactggagaa	420
aaacatggct	atatgactgg	tgctacttta	aatttatcat	cgtaaccogt	tgcaagtgat	480
ctctctatgc	tgccatacaa	tcccagtgtc	ttcacttatc	tctttgagga	gtcaataata	540
ggctcttttt	tttttaatat	gtttttttct	cctgcatagc	cttgt		585

<210> 712

<211> 391

<212> DNA

<213> Homo sapiens

<400> 712

acaaacagag	aactgggtttt	gacagtgttt	ctagagtgtc	ttttattatt	ttcctgacag	60
ttgcgttcca	ccatgattac	tttctccttc	agcgaatagg	ctaaatgaat	atgaaacaga	120
aaagcgtgta	tcagcaaac	aaagcacttc	tgtgcaagaa	ttttcttaag	aaatggagga	180
tgaaaagaga	gagcttattg	gaatggggcc	tctcaatact	tctaggactg	tgtattgtct	240
tgttttccag	ttccatgaga	aatgtccagt	ttcctggaat	ggctcctcag	aatctgggaa	300
gggtagataa	atttaatagc	tcttctttaa	tggttgtgta	tacaccaata	tctaatttaa	360
ccagcagat	aatgaataaa	acagcacttg	c			391

<210> 713
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 713
 atccccacag ggtaatgggt gtcccgatgt cacgggggac tctgtgatcc gtgttccct 60
 gacctccta gtgcacaact tggccgggt cactgggtc ctgcaccact gcctgtcagg 120
 tccgtgccca gccccaaagg cccaccagc catgagctcc tccagaaagg accacctcgg 180
 cgccagcagc tcagagcccc tcccggtcat cattgtgggt aacggccccct ctggtatctg 240
 cctgtcctac ctgctctccg gctacacacc ctacacgaag ccagatgccca tccaccaca 300
 cccctgtctg cagaggaagc tcaccgaggc cccgggggtc tccatcctgg accaggacct 360
 ggactacctg tccgaaggcc tcgaaggccg atcccaaagc cccgtggccc tgctctttga 420
 tgcccttcta cgcccagaca cagactttgg gggaaacatg aagtcgggtcc tcacctggaa 480
 gcaccggaag gagcacgccca tccccacgt ggttctgggc cgga 524

<210> 714
 <211> 2468
 <212> DNA
 <213> Homo sapiens

<400> 714
 gaatcgacgc acgcgtgcgc agcgtgccca gcggtggaagg agctgcgggg cgcgaggagga 60
 ggaagtagag cccgggaccg ccaggccacc accggccgcc tcagccatgg acgcgtccct 120
 ggagaagata gcagaccccc cgttagctga aatgggaaaa aacttgaagg aggcagtga 180
 gatgctggag gacagtcaga gaagaacaga agaggaaaaat ggaaagaagc tcatatccgg 240
 agatattcca ggcccactcc agggcagtgg gcaagatatg gtgagcatcc tccagttagt 300
 tcagaatctc atgcatggag atgaagatga ggagccccag agccccagaa tccaaaatat 360
 tggagaacaa ggtcatatgg ctttgttggg acatagtctg ggagcttata tttcaactct 420
 ggacaaagag aagctgagaa aacttacaac taggatactt tcagatacca ccttatggct 480
 atgcagaatt ttcagatatg aaaatgggtg tgcttatttc cacgaagagg aaagagaagg 540
 acttgcaaag atatgtaggc ttgccattca ttctcgatat gaagacttcg tagtggatgg 600
 cttcaatgtg ttatataaca agaagcctgt catatatctt agtctgtctg ctagacctgg 660
 cctgggccaa tacctttgtg atcagctcgg cttgcccttc cctgcttgt gcggtgtacc 720
 ctgtaacact gtgtttggat ccagcatca gatggatgtt gccttcctgg agaaactgat 780
 taaagatgat atagagcgag gaagactgcc cctgttgctt gtcgcaaag caggacggc 840
 agcagtagga cacacagaca agattgggag attgaaagaa ctctgtgagc agtatggcat 900
 atggcttcat gtggagggtg tgaatctggc aacattggct ctgggttatg tctcctcatc 960
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 acaatacttg ggacttgatg ggtttgtgga gaggatcaag catgcctgtc aactgagtca 1200
 acggttgca gaaagtttga agaaagtga ttacatcaaa atcttgggtg agatgagct 1260
 cagctcccca gtggtggtgt tcagattttt ccaggaatta ccaggctcag atccggtgtt 1320
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 tgacgcgtg aatcgctggc tgggagaaca gctgaagcag ctggtgcctg caagcggcct 1440
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 agcaggtaaa ccaggcttgg tggacatccc ttgcttttgt tctggggctg ctgggtagat 1560
 tagcttgccc ttatgatact ccattctcct agagttatta gcagctcttt ttggaggggc 1620

attttctttt	cttttgggct	aaatttaggt	agattagcat	tcccatgtaa	cttaccagaa	1680
tcagaatgag	aattcagaag	tcacctgaat	tggccgggca	tgggtggctca	cacctgtaat	1740
cccagcacct	tgggaggcca	aggcaggcag	atcatctgag	gtcaggagtt	cgagaccagc	1800
ctggccaaca	tagtgaaatc	ccgcccctac	taaaaataca	aaaaattagc	caggcacccct	1860
gtccacagcc	cccacacaga	ctcgaggggc	ccccatctcc	tgttctgaac	ccaacaggggt	1920
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taccagggag	cacaggggag	caggcgccac	cttgaggcat	aaaccagag	aaacaagacc	2040
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gaaggatcgc	ctgagcccag	gatttttga	ccaccctggg	caacacagtg	agaccccgta	2160
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gggaggtaga	ggagagaaaa	atcacttgag	cccagagagg	tcaaggctac	agggagctga	2280
gatcgcatca	ctgtactcca	gctgggggtga	aacggcgaga	ctctacctca	aaaataaata	2340
aatacataca	taattaataa	ataaaacatc	aaagaccagc	cgacctaaact	ccatctaaaa	2400
tacacaactt	ctacgcaaaa	tataaataaa	attagaaaaac	aaactacaat	ctcagaaaaag	2460
cactagca						2468

<210> 715
 <211> 924
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(924)
 <223> n = a,t,c or g

<400> 715	
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cccaagagac	ttcgctccgc tgcaagatgg aaggaagctt aagtaagaca taaatttgta 120
atgaacttgc	tcacaacatc cgcgcgcact gtgacttgca gtcacatcc attaccacaa 180
aattagttgc	aggatggcta ctcgatatcc tccacacatg atcatcagta tttgcctcct 240
gtgtcccaac	cggcctgagt caaggttacg actcactgat taaaaagagg gactttttca 300
aatactttgc	actttttgatt gtgtattatg gataccaagg aagagaagaa ggaacggaaa 360
caaagttatt	ttgctcgact gaaaaagaaa aaacaagcca aacaaaatgc agagacagcc 420
tcagctgtag	ctacaaggac tcatactggg aaggaagata ataatacagt agtttttagag 480
ccagacaagt	gcaacattgc tgtggaagag gaatatatga ctgatgagaa aaaaaagaga 540
aaaagtaatc	agttaaagga gatcaggcgt acagaactaa agagatatata tagtattgat 600
gacaatcaaa	acaaaacaca tgataaaaaa gagaagaaga tgggtggttca gaagccccat 660
gggactatgg	aatacactgc tggaaaccag gacaccctaa actccatagc actgaaatct 720
aacatcactc	ccaataaatt ggtggaactg aataaacttt tcacacatac tattgttcca 780
ggccagggtcc	tttttgtgcc agatgccaac tctccttcca gtaccttaag gctatcatca 840
tccagtcctg	gtgtactgtg ctctccttca tcatnagatg cagaatatgn taattggctg 900
atgctgactt	agcacggaag gctt 924

<210> 716
 <211> 679
 <212> DNA
 <213> Homo sapiens

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<400> 716
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ctgccggtgg ggactcttgc agggcggtcc ccattgttgcg ttttccgacc tgtttcccat      120
ccttccgggt ggtgggagag aagcagctcc cgcaggagat tattttcctg gtctggctgc      180
ccaagcggga tctcattgct ttggccaaca cagctggcga ggttttactt catcgactgg      240
caagttttca tccagtttgg agttttccac caaatgaaaa tacaggaaaag gaggtgacgt      300
gtctggcatg gagaccagat ggcaaaacttt tggcctttgc tcttgctgat accaagaaaa      360
ttgttttgtg tgatgtagaa aaacctgaga gcttacactc tttttctgtg gaggtccag      420
tttctgttat gcattggatg gaagtgcag tagaaagcag tgttctcaca tcattttata      480
atgctgagga tgaatcaaat cttctcttac ctaaaactacc tacactgcc aaaaactata      540
gcaacacctc aaaaatattt agtgaagaaa attctgatga aattattaag ctcttgggag      600
acgtcaggct taatattctc gtccttggag gaagctctgg atttattgag ctttatgctt      660
atggaatggt taaaattgc

```

```

<210> 717
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (821)
<223> n = a,t,c or g

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<400> 717
ctttcatact gctcctccc ttgtttttct gtctcagaga gatagtctgt cctaaatata      60
ccatgtagcc caggccactg aattaaaacg gagcgtatcc gttctctgcc ccaccccgca      120
actcctgaaa gcggcgcaac tcaattactt gatccttata tgccccacgc gggactcata      180
ctacgtttcc cgtgaacacg tgcagtccaa accccgcccc tgatatttat ctcagtggac      240
ggtggccgga aaaggacaat ggtttccatg tcagcggata aacgctctcc cctcggctcc      300
cggacgcgac ggaggtcgta gtagtagtga gtacgtgctg aggagcaaag gagtaaccaa      360
gagatccagt gaccgacaga gcaagagcca tgccgcgcgc gggcctggtg gctgggccag      420
acttgagta ttttcagcgt cactatttca cgcggcgga ggtggcccaa cataacaggc      480
ccgaagacct ctgggtatct tacctgggac gcgtgtacga cctaactca ttggcacagg      540
aatacaaggg gaacctgctg ctgaaaccca tcgtggaagt tgcaggccag gatatcagcc      600
actggtttga tccaaagacc agagacgtga gttatgctgg aacctgggat tgtgggtaga      660
ggaaatggag agcggggatg ggaaggaaag gcgagggcta gccagagcct aatggctgct      720
ctgacacctc cgccccaac cctcctttaa agatccgcaa gcacgaattc caccacatgg      780
nataagggtc gtcaatgnnn nnnnaagggg natcaanccc c

```

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<210> 718
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 718
ccggattccg ggtcgacgat ttcgtgcggc ttttgtgttg ggcagcgga atgtggcgag      60

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ctcgggtgcgt	ctccgctgct	ccttccccctt	atccctggga	ggccaagtg	gtcccgcggc	120
agettctgtt	gctctgggac	ctgcaggctcc	cggaaggctcc	ttagggaggga	ccccagacac	180
cggagactgg	gaaatggatt	cagtgtcatt	tgaagatgtg	gctgtggcct	ttactcagga	240
ggagtgggct	ttgctggatc	cttctcaaaa	gaatctctac	agagatgtga	tgcaagaaat	300
cttcaggaac	ctggcttctg	taggaaacaa	atcagaagac	cagaatatcc	aagatgactt	360
caaaaatcct	gggagaaaatc	taagcagtca	tgtggtagag	agactgtttg	aaattaaaga	420
aggcagtcaa	tatggagaaa	ccttcagcca	ggattcaaat	ttgaatctga	ataagatagt	480

<210> 719
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 719						
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gaatggctga	ggagatggag	tcgtcgctcg	aggcaagctt	ttcgtccagc	ggggcagtg	120
caggggcctc	aggggttttg	cctcctgccc	gctcccgcct	cttcaagata	atcgtgatcg	180
gcgactccaa	tgtgggcaag	acatgcctga	cctaccgctt	ctgcgctggc	cgcttccccg	240
accgcaccga	ggccacgata	ggggtggatt	tccgagaacg	agcggtagag	attgatgggg	300
agcgcaccaa	gatccagcta	tgggacacag	caggacaaga	acgattcaga	aagagcatgg	360
ttcagcacta	ctacagaaat	gtacatgctg	ttgtcttcgt	gtatgatatg	accaacatgg	420
ctagttttca	tagcctacca	tcttggatag	aagaatgcaa	acaacat		467

<210> 720
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 720						
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cctggcggtg	ccggatcctg	acggcggcct	tccccgggt	cgattgtgat	catggctgct	120
gagtctgatg	ttctgcattt	ccagtttgaa	cagcaaggag	atgtgggtctt	gcagaaaaatg	180
aatcttttga	gacagcagaa	tttattttgt	gatgtatcaa	tttacattaa	tgacactgag	240
ttccaggggc	acaaggatgat	tttggctgct	tgctccactt	ttatgagaga	tcagttttta	300
ctcacacagt	caaaacatgt	cagaatcacc	atcttacaga	gtgcagaagt	tggcagaaaa	360
ttgttactgt	cttgcataac	tggagcactt	gaagttaaaa	ggaaaagagct	tttgaataac	420
ttgactgctg	ccagttacct	tcagatgggt	cacattgcgg	aaaagcgcac	agaagctttt	480
gtcaagttct						490

<210> 721
 <211> 706
 <212> DNA
 <213> Homo sapiens

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<400> 721
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agtctgcggc tggaatcagg atagacacca aggcaggacc cccagagatg ctgaagcctc 120
tttggaagc agcagtggcc cccacatggc catgctccat gccgccccgc cgcctgtggg 180
acagacaggc tggcacgttg caggctctgg gagcgctggc tgtgctgtgg ctgggctccg 240
tggctcttat ctgcctcctg tggcaagtgc cccgtcctcc cacttggggc caggtgcagc 300
ccaaggacgt gcccaggtcc tgggagcatg gctccagccc agcttgggag cccctggaag 360
cagaggccag gcagcagagg gactcctgcc agcttgtcct tgtggaaagc atccccagg 420
acctgccatc tgcagccggc agcccctctg cccagcctct gggccaggcc tggctgcagc 480
tgctggacac tgcccaggag agcgtccacg tggttccata ctactgggtc ctcacagggc 540
ctgacatcgg ggtcaacgac tcgtcttccc agctgggaga ggctctctc cagaagctgc 600
agcagctgct gggcaggaac atttccctgg ctgtggccac cagcagcccg acactggcca 660
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<210> 722
<211> 677
<212> DNA
<213> Homo sapiens

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<400> 722
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gcgtggaaga cctcgccccg ctccccttct gggccgcggc tccgcttaag tgaaggcctg 180
tttgggcgtc cccaccctgg agaggggccg gggctctggat ttccagaact gccactcttc 240
tagtgcgctg gcgtcaatgc tcccttctc gggccattgg agactccgtt gctttttaat 300
ggcggcagcg gctgctgggt gagcagctgg aggcgggaca gtgttcgtcc catccggaga 360
ggatcgcttt ctctggcgct caccagcgct gggttgggtg gggtagcttt tccctctttg 420
ctcctccatt cttgaagaaa gaagaagatg ccaactgccat ttgggttgaa actgaaacgc 480
acctggcgct acacgggtgtc cagcaagagt tgctgggtt cccggatcca actgcttaat 540
aacgagtttg tggagttcac cctgtccgtg gagagcactg gccaggaaa cctcgaggcc 600
gtggcccaga ggctggagct gcgggaggtc acttacttca gcctctggta ctacaacaag 660
caaatcagc gccggtg

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<210> 723
<211> 600
<212> DNA
<213> Homo sapiens

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<400> 723
tttcgtgttg agcaccttcg tcgccattgg ctttctctcc ccagctccag cctctctcat 60
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ctaccagcaa ttttgagaac ttgcaaaaac agcttgcaag gaaaatgaag cttcctatct 180
tcatagcaga tgcattcaca gcaagagcat ttcgtaggaa tcctgctgct gtttgctctc 240
tagaaaatga attggatgaa gacatgcac agaaaattgc aaggagatg aacctctctg 300

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aaactgcttt	tatccgaaaa	ctgcacccga	cagacaactt	tgcacaaaagt	tcctgctttg	360
gactgagatg	gtttacacca	gcgagtgagg	tcccactctg	tggccatgcc	accctggctt	420
ctgcagctgt	gctgtttcac	aaaataaaaa	acatgaatag	cacgctcacg	tttgctactc	480
tgagtggaga	actaagggcc	agacgagcag	aggacggcat	cgtcctggac	ttgcctcttt	540
atccagccca	cccccaggac	ttccatgaag	tagaggactt	gataaagact	gccataggca	600

<210> 724
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 724						
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ctaggaaaca	agcaattttg	ttccttcaaa	ataagaacca	agactcagag	cttctgccga	180
aatgaatata	gcctgactgg	actgtgtaat	cggtcaccc	gtcccctggc	aaatagtcag	240
tatgccacta	ttaaagaaga	gaaaggacag	tgtactttgt	atatgaaggt	tatagaacga	300
gcggcttttc	ctcggcgtct	ctgggaacgg	gtccggctta	gtaaaaacta	tgagaaagca	360
ctggagcaaa	tagatgaaaa	tctgatttac	tggccccgtt	tcattcgaca	caaatgtaag	420
cagagattca	ccaagatcac	ccaataccta	attcgaatta	gaaaacttac	actaaagcga	480
cagaggaaac	ttgttccttt	gagtaagaag	gtggagcgta	gggagaaaag		530

<210> 725
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 725						
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gtgggcccag	gcggccccag	tagccgcggg	ccttgggccc	gtaatctcac	gacctccgcc	120
tgcggcctcc	tcgcaaaaca	aggtgagtga	ctcgcgggag	caatgggagc	tgtttcaggc	180
cgcgaagcgg	acattggttg	atcccagcgc	tgtgtgtatt	gcggggaggg	acacctgtgg	240
caccgttaag	ggcgagtcct	gatctgaaga	tccgagaact	tccaaaagaa	actgacgttg	300
ggtcagagag	agttgttgag	taaaagtttg	tgaagcgaag	agggttcttc	agacaggaaa	360
aagtacgtac	aagggccctg	ggacaagaga	gcatgttctg	tcagagtcac	aaacacaagt	420
ggtccttt						428

<210> 726
 <211> 859
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(859)

<223> n = a,t,c or g

<400> 726

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agcatcaagg	tgttgctcca	gtcggctctg	agcctgggcc	gcagcctgga	tgccgaccat	180
gcccccttgc	agcagttctt	tgtagtgatg	gagcactgcc	tcaaacatgg	gctgaaagtt	240
aagaagagtt	ttattggcca	aaataaatca	ttcttttggtc	ctttggagct	ggtggagaaa	300
ctttgtccag	aagcatcaga	tatagcgact	agtgtcagaa	atcttccaga	attaaagaca	360
gctgtgggaa	gaggccgagc	gtggctttat	cttgcaactca	tgcaaaagaa	actggcagat	420
tatctgaaag	tgcttataga	caataaacat	ctcttaagcg	agttctatga	gcctgaggct	480
ttaatgatgg	aggaagaagg	gatggtgatt	gttggctctgc	tgggtgggact	caatgttctc	540
gatgccaatc	tctggcttga	aaggagaaga	cttggattct	caggttggag	taatagattt	600
ttccctctac	cttaaggatg	tgaggatct	tgatggtggc	aaggagcatg	aaagaattac	660
tgatgtcctt	gatcaaaaaa	attatgtgga	agaacttaac	cggcacttga	gctgcacagt	720
tggggatctt	caaaccaaga	tagatggctt	ggaaaagact	aactcaaagc	ttcaagaang	780
agtttcagct	gcaacagacc	gaatttgctc	acttcaagaa	gaacagcagc	agttaagaga	840
acaaaaatgaa	ttaattcga					859

<210> 727

<211> 450

<212> DNA

<213> Homo sapiens

<400> 727

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ggtaatgagg	ctgttaacgc	ccttctccgc	atcttggcgg	gagcctgacg	ccccgcttct	120
tccctaacgg	ggtgttccac	cggcgcctgc	cgaggcctag	gcctccgcag	ccgccctccg	180
tctctcagc	cccgacgctg	cggccgcttt	gtgctcattt	ttctctgggg	aaactgaggc	240
tccgagtgcg	aaagtccagc	gaggtcgccc	cgccaggac	agagaagggc	tgggggtcgg	300
ctgagccgcg	gcattcccgg	gccccgctag	ggctgcaggg	tctcaggatg	gcagcctcgg	360
cgcagggtgc	tgtgaccttt	gaggatgtgg	ctgtgacatt	caccaggag	gagtggggac	420
agttggatgc	agcccagaga	accttgatc				450

<210> 728

<211> 439

<212> DNA

<213> Homo sapiens

<400> 728

tttcgtgggt	cgctttcctc	accttctctg	ctgcgcgggc	ggcggttggt	aaccggtcag	60
accagcccga	gagggaacctg	gtgcctgtac	ccaggcttct	gtcgtctctg	cgctgcgct	120
atgccctgct	gtagtcacag	gagctgtaga	gaggaccccg	gtacatctga	aagccgggaa	180

atggacccag	tggctcttga	ggatgtggct	gtgaacttca	cccaggaaga	gtggacattg	240
ctggatattt	cccagaagaa	tctcttcagg	gaagtgatgc	tggaaacttt	caggaacctg	300
acctctatag	gaaaaaaatg	gagtgaccag	aacattgaat	atgagtacca	aaaccccaga	360
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ggagaaactt	ttacccagg					439

<210> 729
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 729						
cgggcgcgct	gaccgacgtt	agtgaggagc	ccaatgtgag	tccccggcca	gctgaatcca	60
agccgtgtgt	actgcgtggg	cagcactgcc	cgacagtcct	agctaaaactt	cgccaactcc	120
gctgcctttg	ccgtcaccat	gccacagaat	gaatatattg	aattacaccg	taaacgctat	180
ggattccggt	tggattacca	tgagaaaaag	agaaagaagc	aaagtcgaga	ggctca	236

<210> 730
 <211> 807
 <212> DNA
 <213> Homo sapiens

<400> 730						
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cttcatgaga	atcctctgta	gtctggtgag	tgtagtgtcc	gactctggag	cccaggctgt	180
tgcttcccgg	tctggtgggt	aatcctccat	agtctggaga	tctcagccct	gctgagctga	240
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acatcgatct	aaataagggt	aaaaccaaga	cagctgccaa	atatggcctt	tctgccagc	360
ccgcctgggt	ggatatcatt	gctgccgtcc	ctcctcagta	tcgcaaggtc	ttgatgccca	420
agttaaaggc	gaaacccatc	agaactgcta	gtgggattgc	tgtcgtggct	gtgatgtgca	480
aacccacag	atgtccacac	atcagtttta	caggaaatat	atgtgtatac	tgccctgggt	540
gacctgattc	tgatttttgag	tattccaccc	agtcttacac	tggctatgag	ccaacctcca	600
tgagagctat	ccgtgccaga	tatgaccctt	tcctacagac	aagacaccga	atagaacagt	660
taaaacaact	tggtcatagt	gtggataaag	tggagtttat	tgagatgggt	ggaacgttta	720
tggcccttcc	agaagaatac	agagattatt	ttattcgaaa	ttacatgat	gccttatcag	780
gacatacttc	caacaatatt	tacgagg				807

<210> 731
 <211> 944
 <212> DNA
 <213> Homo sapiens

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<400> 731
tttcgtgtga ggggaggggc gcgtgctaaa ccagaagagg taaaccaatg cagtgaagaga      60
gaggtggttg tgggctccac agcttctgat ttggaggaag ctgcgagacc gagagcctag      120
gagcaccttc cagccccagg gctgtggtac aggttggttg gggaggggcg ccacgcggtg      180
tttggcagga aggggaggcc tctctactga ccggaagctg cgctagaaaa agaaggagga      240
gactgcggcg cagcagcgac tagtgggagt ccgatgtggg agaggggctg cggccaccgc      300
caccgccgcc gccaccagga aggcggagga cgcaggagcc aagagcaagg gacgcccgcca      360
cggtcacctt cgctgcccc gccgcctct tagagacact cattgcctat ggatcatcct      420
ctcccagctt ttgcaagcac cgggctgctc gcccgctgat ttctctctc cataggctca      480
ctgcggaggg aacggcgagg tgtccgattt gtgcacttga ggcccgcaat ccgggacggg      540
ggggaatctg gcctccttg ccgggcatga agaccccggt tggaaaggca gctgcagggc      600
agcgggccag gacgggcgct ggccacggca gtgtgtctgt taccatgata aagaggaagg      660
ctgcacacaa gaagcatagg agccgaccca cctcccagcc tcgggggaac atcgtgggct      720
gcataattca gcacggatgg aaagatggag atgaacctct aacacagtgg aaaggaaccg      780
ttctggatca gtccttttga ataaacctgc ccaccaccaa gaaccatac atgactttct      840
tttcattgta tcaaacgaat gtgtccaccg gtgtgagcac cagcaactca cttcttctc      900
agacatctct aaagctggac agaatatgag ggacaatatc gttt                      944

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<210> 732
<211> 761
<212> DNA
<213> Homo sapiens

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<400> 732
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gcaccgagga cgaggaggag ggggcgagcc tgggcgacgg cagcggggcg gaaggcgga      180
gctgcagcag cagcaggcgg tcgggcggcg atggcgggga cgaagtggag ggcagcgggtg      240
tgggagctgg cgaaggagag actgtccagc acttcccgtc cgcgcggccc aagtctctaa      300
tgcagaagct ccaatgctcc ttccagacct cctggctcaa ggactttccc tggctgcgct      360
attccaagga tactggtctt atgtcttgcg gctggtgcc aaagaccct gcagatgggg      420
gaagcgtgga ccttccccc gtggggcatg atgagcttcc gcgagggacc cgcaactaca      480
agaaaacctt cctcctgagg caccacgtct ctaccgagca caaactccac gaagccaacg      540
cccaggagtc agaaatacca tcagaggagg ggtactgtga ctttaatagt aggccaaatg      600
agaactctta ttgctatcaa cttctgcgac aactaaatga acagagaaag aaaggatttc      660
tttgtgatgt cagcatttgt gtaagcggaa aaatcttcaa agctcataag aacatcctgg      720
ttgcaggcag ccgtttcttt aagactttat attgcttttc a                      761

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<210> 733
<211> 523
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(523)
<223> n = a,t,c or g

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<400> 733

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tagggaggcg	tgggtgtctg	aagcctccga	gcagccgcgg	ccatggcgga	tgtaaccgcc	120
cgtagtctgc	aatacgagta	caaggcgaac	tgaatcttg	tgctccaagc	tgaccgttct	180
ctcattgacc	ggacccgccg	ggatgaaccc	acaggagagg	tgctgtccct	tgttgggaag	240
ctggaggggca	cccgatggg	agacaaggct	caacggacca	aaccgcagat	gcaggaggaa	300
agaagagcca	agcgaagaaa	gcgtgatgag	gaccggcatg	acatcaacaa	gatgaagggt	360
tatactctgc	tgteggagg	cattgatgag	atggtgggca	tcactacaa	gccccaaact	420
aaagagactc	gggagacct	tgaggtgcta	ctcagcttca	tccaggctgc	tcttggggac	480
cagccacgtg	atatcctttg	tggggcagct	gatgaagttc	tag		523

<210> 734

<211> 1341

<212> DNA

<213> Homo sapiens

<400> 734

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gccagactcc	catccaaaga	gtcataagca	gccttcttcc	cacttcttta	catgaaatac	120
atccccacct	gaacaaaggc	acacggacag	gaggaagggg	aataggactt	cgcaaaactg	180
gacacggcat	cgcttcagat	cttggaactct	gaggttccgt	tggtactggg	ttcacagtta	240
caggcttcgg	atggctctga	cgtgctgttt	caagactaat	ggtagtctct	attgcttctg	300
ttatgtcctt	atccaacctg	ttcagcctgt	cctctgactc	aaatatggag	taatcaatgg	360
tgaaatctgc	actaaagtca	tcataactgg	gggtgactgt	ataataatag	accacctgat	420
aatattcatc	ctctcccagt	ctttcttcat	cctcatatcc	ttgtcccagg	ataagtggca	480
cagcaaagat	ggctacaaag	aggacatcca	ttctggattc	tgcaactattg	catcaccacc	540
cagagttgcc	tttctctctg	aggcttcctc	agtctctttt	cgtcacagtg	gaaatgttct	600
gaggaagggg	tgagcatttt	tctagactga	aaagaatccc	tttcttctgt	ctgtctggag	660
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gagtagaggg	ccggggagac	gcgggagagc	gtcgaagaga	gaggtgcgga	aggggctgga	840
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cggaggtgag	gggttgggtc	tgggagattt	gtcctttccc	gcagttggtt	tccaccttcc	960
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gtggagacag	ttaccctacc	tgggtccatgt	ctccctaacc	atccggaagg	ctaacttcca	1260
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<210> 735

<211> 703

<212> DNA

<213> Homo sapiens

<400> 735

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catgggggca	cagggtgaggc	tgccgcccgg	agagccctgc	cgagaaggat	atgtgctgtc	120
tctggtctgt	ccaaactcct	cccaggcttg	gtgtgagatc	acaaatgtgt	cacagctgct	180
ggcttctcct	gtgctctaca	cggacctgaa	ttacagcata	aacaacttga	gcatttcagc	240
aaatgtagaa	aacaaataca	gtctttatgt	gggcttggta	ctggcagtaa	gtcgaagtat	300
ttttattggc	tccagcttca	tactgaaaaa	gaagggcctc	ttgcaactgg	ccagcaaggg	360
ctttactaga	gctggacaag	gtggacattc	ttacctgaag	gaatggctct	gggtgggtagg	420
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tacagtttcc	ttgccaggac	aacacggata	agtgaaaggc	ttctgtggct	gcttgggtact	660
gaacaaatgg	agaagaaatg	aagggtgtca	gcactctcct	tcc		703

<210> 736
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 736

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gggaaggatg	gtagggcgac	tggggctcac	ctccgcaccg	ttgtaggacc	cggggtaggg	120
ttttgagccc	gtgggagctg	ccccacgcgg	cctcgctcctg	ccaacggctg	gatggcggag	180
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acctgtgggc	ttctgggttc	actagggcat	cgggttccca	aaccagagtt	gggtccacctg	360
ctaaagcatg	ggcaggagct	gtggatagtg	aagagaggcc	t		401

<210> 737
 <211> 933
 <212> DNA
 <213> Homo sapiens

<400> 737

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ccttcccagg	cgccggctgc	agcagagttt	cagaacaagc	ttcctggaac	ccatgaccga	180
tgaagtcttg	tcgacattta	taccgtctga	gggtagcagc	tcgaaagtag	aagaaagtgt	240
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gggctgcgtg	gtggaacctc	caaggatgaa	tgtaacctgg	cgcctgaatg	gaaaggagct	540
gaatggctcg	gatgatgtc	tgggtgtcct	catcaccac	gggaccctcg	tcactactgc	600
ccttaacaac	cacactgtgg	gacggtacca	gtgtgtggcc	cggatgcctg	cgggggctgt	660
ggccagcgtg	ccagccactg	tgacactagc	cagttagtct	gtccctttgc	ctccctgcca	720
tgggtgcggtc	cctcctcatc	tctcccaccc	tgaagccccc	accattcatg	ctgcctcttg	780

ttactcttag	cataaaatgg	gccttaactg	cagaaatgtc	aaatcagaac	agtagctgcc	840
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ggctgtatct	ggagtgagtg	tctacagaga	ggg			933

<210> 738
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 738						
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ccagcagaac	gtgggtgcagc	gtgtgggtggc	tctgccccctg	gtcagggcca	cgtgcaccgc	180
ggtctgcgat	gtttacagtg	cagccaagga	caggcacccg	ctgctgggct	ccgcctgccg	240
cctggctgag	aactgcgtgt	gcggcctgac	caccctgtcc	ctggaccacg	cccagccgct	300
gctcgagcac	ctgcagcccc	agctggccac	tatgaacagc	ctgcctgca	ggggcctgga	360
caagctggaa	gagaagcttc	cctttctcca	gcaaccttcg	gagacgggtg	tgacctcagc	420

<210> 739
 <211> 1248
 <212> DNA
 <213> Homo sapiens

<400> 739						
tttcgtagcg	agtaaagaag	cagatttgc	ctccctcccg	cttccctccct	cccatcttcc	60
caccggggct	gtgcccaggc	cacagagcag	ctgcaggcct	tgggagagga	cccacacagc	120
ctcctgtagg	tggcaacagt	gccacctgtt	tgactcatag	ggctgaaccg	aggactgaaa	180
aaggaggag	gcagaccact	cggagaggag	ctgggaagca	gtgcagagag	gagagcggag	240
cggagctgcc	gctgagcaaa	ggccttcacc	atggccgagt	cccccggtg	ctgctccgtc	300
tggggcccgct	gcctccactg	cctgtatagc	tgccactgga	ggaaatgcc	cagagagagg	360
atgcaaacca	gcaagtgcga	ctgtatctgg	tttggcctgc	tcttccctcac	cttccctcctt	420
tccctgagct	ggctgtacat	cgggctcgtc	cttctcaatg	acctgcacaa	cttcaatgaa	480
ttcctcttcc	gccgctgggg	acaactggatg	gactgggtccc	tggcattcct	gctgggtcatc	540
tctctactgg	gcacatatgc	atccttgc	ttggctcctg	ccctgctcct	gcggctttgt	600
agacagcccc	tgcatctgca	cagcctccac	aagggtcgtc	tgctcctcat	tatgtgtctt	660
gtggcggtcg	gccttgtggg	actggacatc	caatggcagc	aggagaggca	tagcttgcgt	720
gtgtcactgc	agactgcagg	tagctctgaa	ctccagcagt	caggccctaa	gaggaaagcg	780
gggaggggca	ctggagaaga	gcccaacctca	ccagctcttg	tccacaggcc	acagccccat	840
tccttccat	tggagcagcc	gctggaattg	ccctcctggc	ctggcctgtg	gctgatacct	900
tctaccgtat	ccaccgaaga	gagcccaaga	ttctgtact	gtccttattt	tttggagtgtg	960
tcctgggtcat	ctacttggcc	cccctatgca	tctcctcacc	ctgcatcatg	gaaccacagag	1020
acttaccacc	caagcctggg	ctgggtgggac	accgaggggc	ccccatgctg	gctcccagaga	1080
acaccctgat	gtccttgcgg	aagacagctg	aatgcggagc	tactgtgttt	gagactgatg	1140
tgatgggtcag	ctccgatggg	gtcccccttc	tcattgcata	tgagcacctc	agcaggacca	1200
cgaatgtagc	ctctgtattc	ccaaccgaa	tcacagccca	cagcagtg		1248

<210> 740
 <211> 185
 <212>Amino acid
 <213> Homo sapiens

<400> 740
 Phe Val Gly Arg Leu Leu Arg Leu Gly Glu Ala Leu Arg Leu Arg Pro
 1 5 10 15
 Asp Pro Ser Gly Gly Cys Arg Leu Gln Pro Ala Leu Val Gly Glu Thr
 20 25 30
 Glu Met Ser Glu Lys Glu Asn Asn Phe Pro Pro Leu Pro Lys Phe Ile
 35 40 45
 Pro Val Lys Pro Cys Phe Tyr Gln Asn Phe Ser Asp Glu Ile Pro Val
 50 55 60
 Glu His Gln Val Leu Val Lys Arg Ile Tyr Arg Leu Trp Met Phe Tyr
 65 70 75 80
 Cys Ala Thr Leu Gly Val Asn Leu Ile Ala Cys Leu Ala Trp Trp Ile
 85 90 95
 Gly Gly Gly Ser Gly Thr Asn Phe Gly Leu Ala Phe Val Trp Leu Leu
 100 105 110
 Leu Phe Thr Pro Cys Gly Tyr Val Cys Trp Phe Arg Pro Val Tyr Lys
 115 120 125
 Ala Phe Arg Ala Asp Ser Ser Phe Asn Phe Met Ala Phe Phe Phe Ile
 130 135 140
 Phe Arg Ser Pro Val Cys Pro Asp Arg His Pro Gly Asp Trp Leu Leu
 145 150 155 160
 Arg Leu Gly Arg Val Arg Leu Ala Val Gly Asn Trp Ile Leu Pro Val
 165 170 175
 Gln Pro Gly Arg Cys Arg Gly His Ala
 180 185

<210> 741
 <211> 177
 <212>Amino acid
 <213> Homo sapiens

<400> 741
 Phe Leu Gly Ala Gly Ala Asp Ile Phe Cys Ala Tyr Leu Arg Met Ser
 1 5 10 15
 Ser Lys Gln Ala Thr Ser Pro Phe Ala Cys Ala Ala Asp Gly Glu Asp
 20 25 30
 Ala Met Thr Gln Asp Leu Thr Ser Arg Glu Lys Glu Glu Gly Ser Asp
 35 40 45
 Gln His Val Ala Ser His Leu Pro Leu His Pro Ile Met His Asn Lys
 50 55 60
 Pro His Ser Glu Glu Leu Pro Thr Leu Val Ser Thr Ile Gln Gln Asp
 65 70 75 80
 Ala Asp Trp Asp Ser Val Leu Ser Ser Gln Gln Arg Met Glu Ser Glu
 85 90 95
 Asn Asn Lys Leu Cys Ser Leu Tyr Ser Phe Arg Asn Thr Ser Thr Ser
 100 105 110
 Pro His Lys Pro Asp Glu Gly Ser Arg Asp Arg Glu Ile Met Thr Ser
 115 120 125

Val Thr Phe Gly Thr Pro Glu Arg Arg Lys Gly Ser Leu Ala Asp Val
 130 135 140
 Val Asp Thr Leu Lys Gln Lys Lys Leu Glu Glu Met Thr Arg Thr Glu
 145 150 155 160
 Gln Glu Asp Ser Ser Cys Met Glu Lys Leu Leu Ser Lys Asp Trp Lys
 165 170 175
 Glu
 177

<210> 742
 <211> 434
 <212> Amino acid
 <213> Homo sapiens

<400> 742
 Glu Gly Tyr Leu Thr Gly Arg Pro Thr Arg Pro Val Ala Val Arg Gly
 1 5 10 15
 Lys Ser Thr Ala Asp Leu Arg Met Met Gly Arg Ser Pro Gly Phe Ala
 20 25 30
 Met Gln His Ile Val Gly Val Pro His Val Leu Val Arg Arg Gly Leu
 35 40 45
 Leu Gly Arg Asp Leu Phe Met Thr Arg Thr Leu Cys Ser Pro Gly Pro
 50 55 60
 Ser Gln Pro Gly Glu Lys Arg Pro Glu Glu Val Ala Leu Gly Leu His
 65 70 75 80
 His Arg Leu Pro Ala Leu Gly Arg Ala Leu Gly His Ser Ile Gln Gln
 85 90 95
 Arg Ala Thr Ser Thr Ala Lys Thr Trp Trp Asp Arg Tyr Glu Glu Phe
 100 105 110
 Val Gly Leu Asn Glu Val Arg Glu Ala Gln Gly Lys Val Thr Glu Ala
 115 120 125
 Glu Lys Val Phe Met Val Ala Arg Gly Leu Val Arg Glu Ala Arg Glu
 130 135 140
 Asp Leu Glu Val His Gln Ala Lys Leu Lys Glu Val Arg Asp Arg Leu
 145 150 155 160
 Asp Arg Val Ser Arg Glu Asp Ser Gln Tyr Leu Glu Leu Ala Thr Leu
 165 170 175
 Glu His Arg Met Leu Gln Glu Glu Lys Arg Leu Arg Thr Ala Tyr Leu
 180 185 190
 Arg Ala Glu Asp Ser Glu Arg Glu Lys Phe Ser Leu Phe Ser Ala Ala
 195 200 205
 Val Arg Glu Ser His Glu Lys Glu Arg Thr Arg Ala Glu Arg Thr Lys
 210 215 220
 Asn Trp Ser Leu Ile Gly Ser Val Leu Gly Ala Leu Ile Gly Val Ala
 225 230 235 240
 Gly Ser Thr Tyr Val Asn Arg Val Arg Leu Gln Glu Leu Lys Ala Leu
 245 250 255
 Leu Leu Glu Ala Gln Lys Gly Pro Val Ser Leu Gln Glu Ala Ile Arg
 260 265 270
 Glu Gln Ala Ser Ser Tyr Ser Arg Gln Gln Arg Asp Leu His Asn Leu
 275 280 285
 Met Val Asp Leu Arg Gly Leu Val His Ala Ala Gly Pro Gly Gln Asp
 290 295 300
 Ser Gly Ser Gln Ala Gly Ser Pro Pro Thr Arg Asp Arg Asp Val Asp
 305 310 315 320
 Val Leu Ser Ala Ala Leu Lys Glu Gln Leu Ser His Ser Arg Gln Val
 325 330 335
 His Ser Cys Leu Glu Gly Leu Arg Glu Gln Leu Asp Gly Leu Glu Lys
 340 345 350

Thr Cys Ser Gln Met Ala Gly Val Val Gln Leu Val Lys Ser Ala Ala
 355 360 365
 His Pro Gly Leu Val Glu Pro Ala Asp Gly Ala Met Pro Ser Phe Leu
 370 375 380
 Leu Glu Gln Gly Ser Met Ile Leu Ala Leu Ser Asp Thr Glu Gln Arg
 385 390 395 400
 Leu Glu Ala Gln Val Asn Arg Asn Thr Ile Tyr Ser Thr Leu Val Thr
 405 410 415
 Cys Val Thr Phe Val Ala Thr Leu Pro Val Leu Tyr Met Leu Phe Lys
 420 425 430
 Ala Ser
 434

<210> 743
 <211> 211
 <212>Amino acid
 <213> Homo sapiens

<400> 743
 Asn Leu Pro Pro Leu Thr Pro Gln Pro Gly Pro Arg Leu Ala Gly Ser
 1 5 10 15
 Gly Pro Ser His Trp Phe Ser Pro Leu Ser Leu Pro Val Ala Ser Lys
 20 25 30
 Ala Pro Gly Thr Met Ala Gln Ala Leu Gly Glu Asp Leu Val Gln Pro
 35 40 45
 Pro Glu Leu Gln Asp Asp Ser Ser Ser Leu Gly Ser Asp Ser Glu Leu
 50 55 60
 Ser Gly Pro Gly Pro Tyr Arg Gln Ala Asp Arg Tyr Gly Phe Ile Gly
 65 70 75 80
 Gly Ser Ser Ala Glu Pro Gly Pro Gly His Pro Pro Ala Asp Leu Ile
 85 90 95
 Arg Gln Arg Glu Met Lys Trp Val Glu Met Thr Ser His Trp Glu Lys
 100 105 110
 Thr Met Ser Arg Arg Tyr Lys Lys Val Lys Met Gln Cys Arg Lys Gly
 115 120 125
 Ile Pro Ser Ala Leu Arg Ala Arg Cys Trp Pro Leu Leu Cys Gly Ala
 130 135 140
 His Val Cys Gln Lys Asn Ser Pro Gly Thr Tyr Gln Glu Leu Ala Glu
 145 150 155 160
 Ala Pro Gly Asp Pro Gln Trp Met Glu Thr Ile Gly Arg Asp Leu His
 165 170 175
 Arg Gln Phe Pro Leu His Glu Met Phe Val Ser Pro Gln Gly His Gly
 180 185 190
 Gln Gln Gly Leu Leu Gln Val Leu Lys Ala Tyr Thr Leu Tyr Arg Pro
 195 200 205
 Glu Gln Gly
 210 211

<210> 744
 <211> 55
 <212>Amino acid
 <213> Homo sapiens

<400> 744


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Leu Arg Gly Met Ala Ala Ala Ala Gly Pro Ala Ala Ser Gln Arg
 1           5           10           15
Phe Phe Gln Ser Phe Ser Asp Ala Leu Ile Asp Gln Asp Pro Gln Ala
           20           25           30
Ala Leu Glu Val Gly Glu Pro Phe Leu Leu Pro Pro Leu Pro Ala Asp
           35           40           45
Pro Pro Pro Ser Ser Thr Ala
           50           55

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<210> 745
<211> 182
<212>Amino acid
<213> Homo sapiens

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<400> 745
Trp Ala Cys Phe Arg Ser Ala His Cys Ser Arg His Leu Arg Asn Arg
 1           5           10           15
Ile Phe Met Tyr Leu Tyr Trp Asp Lys Thr Arg Ser Pro Val Cys Lys
           20           25           30
Gly Pro Ala Leu Arg Glu Glu Arg Pro Gln Pro Arg Leu Lys Leu Glu
           35           40           45
Asp Tyr Lys Asp Arg Leu Lys Ser Gly Glu His Leu Asn Pro Asp Gln
           50           55           60
Leu Glu Ala Val Glu Lys Tyr Glu Glu Val Leu His Asn Leu Glu Phe
           65           70           75           80
Ala Lys Glu Leu Gln Lys Thr Phe Ser Gly Leu Ser Leu Asp Leu Leu
           85           90           95
Lys Ala Gln Lys Lys Ala Gln Arg Arg Glu His Met Leu Lys Leu Glu
           100          105          110
Ala Glu Lys Lys Lys Leu Arg Thr Ile Leu Gln Val Gln Tyr Val Leu
           115          120          125
Gln Asn Leu Thr Gln Glu His Val Gln Lys Asp Phe Lys Gly Gly Leu
           130          135          140
Asn Gly Ala Val Tyr Leu Pro Ser Lys Glu Leu Asp Tyr Leu Ile Lys
           145          150          155          160
Phe Ser Lys Leu Thr Cys Pro Glu Arg Asn Glu Ser Leu Arg Gln Thr
           165          170          175
Leu Glu Gly Ser Thr Val
           180          182

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<210> 746
<211> 136
<212>Amino acid
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(136)
<223> X = any amino acid or stop code

```

```

<400> 746
Xaa Ala Gly Val Gln Met Lys Leu Glu Phe Leu Gln Arg Lys Phe Trp
 1           5           10           15
Ala Ala Thr Arg Gln Cys Ser Thr Val Asp Gly Pro Cys Thr Gln Ser

```

```

      20      25      30
Cys Glu Asp Ser Asp Leu Asp Cys Phe Val Ile Asp Asn Asn Gly Phe
      35      40      45
Ile Leu Ile Ser Lys Arg Ser Arg Glu Thr Gly Arg Phe Leu Gly Glu
      50      55      60
Val Asp Gly Ala Val Leu Thr Gln Leu Leu Ser Met Gly Val Phe Ser
      65      70      75      80
Gln Val Thr Met Tyr Asp Tyr Gln Ala Met Cys Lys Pro Ser Ser His
      85      90      95
His His Ser Ala Ala Gln Pro Leu Val Ser Pro Ile Ser Ala Phe Leu
      100      105      110
Thr Ala Thr Arg Trp Leu Leu Gln Glu Leu Val Leu Phe Leu Leu Glu
      115      120      125
Trp Ser Val Trp Gly Ser Xaa *
      130      135

```

<210> 747
 <211> 156
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 747
Cys Arg Gly Arg Leu Ala Gln Leu Glu Glu Ala Ala Val Ala Ala Thr
      1      5      10      15
Met Ser Ala Gly Asp Ala Val Cys Thr Gly Trp Leu Val Lys Ser Pro
      20      25      30
Pro Glu Arg Lys Leu Gln Arg Tyr Ala Trp Arg Lys Arg Trp Phe Val
      35      40      45
Leu Arg Arg Gly Arg Met Ser Gly Asn Pro Asp Val Leu Glu Tyr Tyr
      50      55      60
Arg Asn Lys His Ser Ser Lys Pro Ile Arg Val Ile Asp Leu Ser Glu
      65      70      75      80
Cys Ala Val Trp Lys His Val Gly Pro Ser Phe Val Arg Lys Glu Phe
      85      90      95
Gln Asn Asn Phe Val Phe Ile Val Lys Thr Thr Ser Arg Thr Phe Tyr
      100      105      110
Leu Val Ala Lys Thr Glu Gln Glu Met Gln Val Trp Val His Ser Ile
      115      120      125
Ser Gln Val Cys Asn Leu Gly His Leu Glu Asp Gly Ala Ala Asp Ser
      130      135      140
Met Glu Ser Leu Ser Tyr Thr Arg Ser Tyr Leu Gln
      145      150      155 156

```

<210> 748
 <211> 55
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 748
Ile Pro Ala Val Pro Leu Thr Ser Cys Val Thr Val Gly Ser Tyr Ser
      1      5      10      15
Leu Ser Val Arg Asp Tyr Asp Pro Arg Gln Gly Asp Thr Val Lys His
      20      25      30
Tyr Lys Ile Arg Thr Leu Asp Lys Arg Gly Phe Tyr Ile Ser Pro Arg

```

35
 Ser Thr Phe Ser Thr Leu Gln
 50 55

<210> 749
 <211> 381
 <212> Amino acid
 <213> Homo sapiens

<400> 749
 Lys Asp Ser Val Leu Asn Ile Ala Arg Gly Lys Lys Tyr Gly Glu Lys
 1 5 10 15
 Thr Lys Arg Val Ser Ser Arg Lys Lys Pro Ala Leu Lys Cys Thr Ser
 20 25 30
 Gln Lys Gln Pro Ala Leu Lys Ala Ile Cys Asp Lys Glu Asp Ser Val
 35 40 45
 Pro Asn Thr Ala Thr Glu Lys Lys Asp Glu Gln Ile Ser Gly Thr Val
 50 55 60
 Ser Ser Gln Lys Gln Pro Ala Leu Lys Ala Thr Ser Asp Lys Lys Asp
 65 70 75 80
 Ser Val Ser Asn Ile Pro Thr Glu Ile Lys Asp Gly Gln Gln Ser Gly
 85 90 95
 Thr Val Ser Ser Gln Lys Gln Pro Ala Trp Lys Ala Thr Ser Val Lys
 100 105 110
 Lys Asp Ser Val Ser Asn Ile Ala Thr Glu Ile Lys Asp Gly Gln Ile
 115 120 125
 Arg Gly Thr Val Ser Ser Gln Arg Gln Pro Ala Leu Lys Ala Thr Gly
 130 135 140
 Asp Glu Lys Asp Ser Val Ser Asn Ile Ala Arg Glu Ile Lys Asp Gly
 145 150 155 160
 Glu Lys Ser Gly Thr Val Ser Pro Gln Lys Gln Ser Ala Gln Lys Val
 165 170 175
 Ile Phe Lys Lys Lys Val Ser Leu Leu Asn Ile Ala Thr Arg Ile Thr
 180 185 190
 Gly Gly Trp Lys Ser Gly Thr Glu Tyr Pro Glu Asn Leu Pro Thr Leu
 195 200 205
 Lys Ala Thr Ile Glu Asn Lys Asn Ser Val Leu Asn Thr Ala Thr Lys
 210 215 220
 Met Lys Asp Val Gln Thr Ser Thr Pro Glu Gln Asp Leu Glu Met Ala
 225 230 235 240
 Ser Glu Gly Glu Gln Lys Arg Leu Glu Glu Tyr Glu Asn Asn Gln Pro
 245 250 255
 Gln Val Lys Asn Gln Ile His Ser Arg Asp Asp Leu Asp Asp Ile Ile
 260 265 270
 Gln Ser Ser Gln Thr Val Ser Glu Asp Gly Asp Ser Leu Cys Cys Asn
 275 280 285
 Cys Lys Asn Val Ile Leu Leu Ile Asp Gln His Glu Met Lys Cys Lys
 290 295 300
 Asp Cys Val His Leu Leu Lys Ile Lys Lys Thr Phe Cys Leu Cys Lys
 305 310 315 320
 Arg Leu Thr Glu Leu Lys Asp Asn His Cys Glu Gln Leu Arg Val Lys
 325 330 335
 Ile Arg Lys Leu Lys Asn Lys Ala Ser Val Leu Gln Lys Arg Leu Ser
 340 345 350
 Glu Lys Glu Glu Ile Lys Ser Gln Leu Lys His Glu Thr Leu Glu Leu
 355 360 365
 Glu Lys Glu Leu Cys Ser Leu Arg Phe Ala Ile Gln Gln
 370 375 380 381

<210> 750
 <211> 296
 <212>Amino acid
 <213> Homo sapiens

<400> 750
 Ser Pro Leu Arg Tyr Arg Ala Gly Gln Ser Gly Ser Thr Ile Ser Ser
 1 5 10 15
 Ser Ser Cys Ala Met Trp Arg Cys Gly Gly Arg Gln Gly Leu Cys Val
 20 25 30
 Leu Arg Arg Leu Ser Gly Gly His Ala His His Arg Ala Trp Arg Trp
 35 40 45
 Asn Ser Asn Arg Ala Cys Glu Arg Ala Leu Gln Tyr Lys Leu Gly Asp
 50 55 60
 Lys Ile His Gly Phe Thr Val Asn Gln Val Thr Ser Val Pro Glu Leu
 65 70 75 80
 Phe Leu Thr Ala Val Lys Leu Thr His Asp Asp Thr Gly Ala Arg Tyr
 85 90 95
 Leu His Leu Ala Arg Glu Asp Thr Asn Asn Leu Phe Ser Val Gln Phe
 100 105 110
 Arg Thr Thr Pro Met Asp Ser Thr Gly Val Pro His Ile Leu Glu His
 115 120 125
 Thr Val Leu Cys Gly Ser Gln Lys Tyr Pro Cys Arg Asp Pro Phe Phe
 130 135 140
 Lys Met Leu Asn Arg Ser Leu Ser Thr Phe Met Asn Ala Phe Thr Ala
 145 150 155 160
 Ser Asp Tyr Thr Leu Tyr Pro Phe Ser Thr Gln Asn Pro Lys Asp Phe
 165 170 175
 Gln Asn Leu Leu Ser Val Tyr Leu Asp Ala Thr Phe Phe Pro Cys Leu
 180 185 190
 Arg Glu Leu Asp Phe Trp Gln Glu Gly Trp Arg Leu Glu His Glu Asn
 195 200 205
 Pro Ser Asp Pro Gln Thr Pro Leu Val Phe Lys Gly Val Val Phe Asn
 210 215 220
 Glu Met Lys Gly Ala Phe Thr Asp Asn Glu Arg Ile Phe Ser Gln His
 225 230 235 240
 Leu Gln Asn Arg Leu Leu Pro Asp His Thr Tyr Ser Val Val Ser Gly
 245 250 255
 Gly Asp Pro Leu Cys Ile Pro Glu Leu Thr Trp Glu Gln Leu Lys Gln
 260 265 270
 Phe His Ala Thr His Tyr His Pro Ser Asn Ala Arg Phe Phe Thr Tyr
 275 280 285
 Gly Asn Phe Pro Leu Asp Gln His
 290 295 296

<210> 751
 <211> 163
 <212>Amino acid
 <213> Homo sapiens

<400> 751
 Arg Gly Ala Lys Ala Lys Ser Ala Val Leu Pro Pro Gly Pro Pro Cys
 1 5 10 15
 Ser Ser Ile Leu Ile Leu Ser Pro Pro Ala Pro Leu Thr Pro Arg Ser

```

      20      25      30
Pro Gly Thr Glu Ala Thr Arg Pro Thr Ala Met Ser Lys Ser Leu Lys
      35      40      45
Lys Lys Ser His Trp Thr Ser Lys Val His Glu Ser Val Ile Gly Arg
      50      55      60
Asn Pro Glu Gly Gln Leu Gly Phe Glu Leu Lys Gly Gly Ala Glu Asn
      65      70      75      80
Gly Gln Phe Pro Tyr Leu Gly Glu Val Lys Pro Gly Lys Val Ala Tyr
      85      90      95
Glu Ser Gly Ser Lys Leu Val Ser Glu Glu Leu Leu Leu Glu Val Asn
      100      105      110
Glu Thr Pro Val Ala Gly Leu Thr Ile Arg Asp Val Leu Ala Val Ile
      115      120      125
Lys His Cys Lys Asp Pro Leu Arg Leu Lys Cys Val Lys Gln Gly Glu
      130      135      140
Ser Ser Gly Leu Leu Ser Val Leu Pro Gly Gly Gly Thr Ala Arg Gly
      145      150      155      160
Ala Gly Gln
      163

```

<210> 752
 <211> 99
 <212> Amino acid
 <213> Homo sapiens

```

<400> 752
Ser His Arg Pro Gln Pro Asp Ala Trp Arg Gln Gly Asn Ala Phe Gln
  1      5      10      15
Cys Val Gln Lys Glu Lys Met Gln Val Ser Ser Ala Glu Val Arg Ile
      20      25      30
Gly Pro Met Arg Leu Thr Gln Asp Pro Ile Gln Val Leu Leu Ile Phe
      35      40      45
Ala Lys Glu Asp Ser Gln Ser Asp Gly Phe Trp Trp Ala Cys Asp Arg
      50      55      60
Ala Gly Tyr Arg Cys Asn Ile Ala Arg Thr Pro Glu Ser Ala Leu Glu
      65      70      75      80
Cys Phe Leu Asp Lys His His Glu Ile Ile Val Ile Asp His Arg Gln
      85      90      95
Thr Gln Asn
      99

```

<210> 753
 <211> 193
 <212> Amino acid
 <213> Homo sapiens

```

<400> 753
Phe Arg Leu Ala Gly Cys Gly His Leu Leu Val Ser Leu Leu Gly Leu
  1      5      10      15
Leu Leu Leu Leu Ala Arg Ser Gly Thr Arg Ala Leu Val Cys Leu Pro
      20      25      30
Cys Asp Glu Ser Lys Cys Glu Glu Pro Arg Asn Cys Pro Gly Ser Ile
      35      40      45
Val Gln Gly Val Cys Gly Cys Cys Tyr Thr Cys Ala Ser Gln Arg Asn

```

```

      50              55              60
Glu Ser Cys Gly Gly Thr Phe Gly Ile Tyr Gly Thr Cys Asp Arg Gly
 65              70              75              80
Leu Arg Cys Val Ile Arg Pro Pro Leu Asn Gly Asp Ser Leu Thr Glu
      85              90              95
Tyr Glu Ala Gly Val Cys Glu Asp Glu Asn Trp Thr Asp Asp Gln Leu
      100              105              110
Leu Gly Phe Lys Pro Cys Asn Glu Asn Leu Ile Ala Gly Cys Asn Ile
      115              120              125
Ile Asn Gly Lys Cys Glu Cys Asn Thr Ile Arg Thr Cys Ser Asn Pro
      130              135              140
Phe Glu Phe Pro Ser Gln Asp Met Cys Leu Ser Ala Leu Lys Arg Ile
      145              150              155              160
Glu Glu Glu Lys Pro Asp Cys Ser Lys Ala Arg Cys Glu Val Gln Phe
      165              170              175
Ser Pro Arg Cys Pro Glu Asp Ser Val Leu Ile Glu Gly Tyr Ala Pro
      180              185              190
Pro
193

```

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<210> 754
<211> 73
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 754
Phe Arg Met Ala Ala Asn Val Gly Ser Met Phe Gln Tyr Trp Lys Arg
 1              5              10              15
Phe Asp Leu Gln Gln Leu Gln Arg Glu Leu Asp Ala Thr Ala Thr Val
      20              25              30
Leu Ala Asn Arg Gln Asp Glu Ser Glu Gln Ser Arg Lys Arg Leu Ile
      35              40              45
Glu Gln Ser Arg Glu Phe Lys Lys Asn Thr Pro Glu Val Arg Arg Val
      50              55              60
Thr Ile Val Phe Ala Leu Lys Gly Ser
 65              70              73

```

```

<210> 755
<211> 83
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 755
Glu Thr Leu Ser Cys Arg Ile Met Asp His Pro Ser Arg Glu Lys Asp
 1              5              10              15
Glu Arg Gln Arg Thr Thr Lys Pro Met Ala Gln Arg Ser Ala His Cys
      20              25              30
Ser Arg Pro Ser Gly Ser Ser Ser Ser Ser Gly Val Leu Met Val Gly
      35              40              45
Pro Asn Phe Arg Val Gly Lys Lys Ile Gly Cys Gly Asn Phe Gly Glu
      50              55              60
Leu Arg Leu Gly Glu Gly Leu Pro Gln Val Tyr Tyr Phe Gly Pro Cys
      65              70              75              80
Gly Lys Tyr

```

83

<210> 756
 <211> 100
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(100)
 <223> X = any amino acid or stop code

<400> 756
 Gly Cys Cys Lys Asp Xaa His Ser Gly Val Ile Gly Arg Ser Trp Ala
 1 5 10 15
 Met Leu Phe Ala Ser Gly Gly Phe Gln Val Lys Leu Tyr Asp Ile Glu
 20 25 30
 Gln Gln Gln Ile Arg Asn Ala Leu Glu Asn Ile Arg Trp Ala Ser Arg
 35 40 45
 Arg Ser Pro Glu Gly Met Glu Val Gly Leu Phe Leu Ser Val Gly Leu
 50 55 60
 Val Cys His Ile Leu Lys Ala Met Arg Ile Cys Asp Val Thr Phe Ser
 65 70 75 80
 Ser Asp Gly Tyr Cys Ser Ala Ser Glu Leu Val Lys Ala Arg Pro Thr
 85 90 95
 Val Ala Gly Met
 100

<210> 757
 <211> 130
 <212> Amino acid
 <213> Homo sapiens

<400> 757
 Asn Ser Arg Val Asp Asp Phe Val Ser Ala Arg Pro Lys Pro Arg Pro
 1 5 10 15
 Leu Pro Arg Ala Arg Gly Met Val Val Val Thr Gly Arg Glu Pro Asp
 20 25 30
 Ser Arg Arg Gln Asp Gly Ala Met Ser Ser Ser Asp Ala Glu Asp Asp
 35 40 45
 Phe Leu Glu Pro Ala Thr Pro Thr Ala Thr Gln Ala Gly His Ala Leu
 50 55 60
 Pro Pro Ala Ala Thr Gly Ser Phe Leu Arg Leu Phe Pro Leu Thr Ser
 65 70 75 80
 Glu Gly Leu Thr Ser Leu His Ala Cys Pro His Cys Gly Ala Thr Lys
 85 90 95
 Thr Pro Cys Trp Gln Pro Cys Ser Val Gly Gly Thr Thr Ser Pro Arg
 100 105 110
 Thr Pro Arg Ala Gly Thr Ser Ser Thr Glu Met Ala His Thr Leu Glu
 115 120 125
 Met Cys
 130

<210> 758
 <211> 121
 <212>Amino acid
 <213> Homo sapiens

<400> 758
 Arg Ala Leu Trp Val Gly Gly Cys Ser Gly Glu Ala Cys Gly Ile Gly
 1 5 10 15
 Met Ser Gly Leu Leu Thr Asp Pro Glu Gln Arg Ala Gln Glu Pro Arg
 20 25 30
 Tyr Pro Gly Phe Val Leu Gly Leu Asp Val Gly Ser Ser Val Ile Arg
 35 40 45
 Cys His Val Tyr Asp Arg Ala Ala Arg Val Cys Gly Ser Ser Val Gln
 50 55 60
 Lys Val Glu Asn Leu Tyr Pro Gln Ile Gly Trp Val Glu Ile Asp Pro
 65 70 75 80
 Asp Val Leu Trp Ile Gln Phe Val Ala Val Ile Lys Glu Ala Val Lys
 85 90 95
 Ala Ala Gly Ile Gln Met Asn Gln Ile Val Gly Leu Gly Ile Ser Thr
 100 105 110
 Gln Arg Ala Thr Phe Ile Thr Trp Asn
 115 120 121

<210> 759
 <211> 210
 <212>Amino acid
 <213> Homo sapiens

<400> 759
 Gly Leu Ala Ala Glu Gln Ser Met Gln Phe Val Lys Leu Trp Cys Gly
 1 5 10 15
 Cys Ser Gly Glu Phe Pro Thr Arg Leu Arg Arg Arg Thr Pro Leu Thr
 20 25 30
 Glu Ala Met Glu Gly Gly Pro Ala Val Cys Cys Gln Asp Pro Arg Ala
 35 40 45
 Glu Leu Val Glu Arg Val Ala Ala Ile Asp Val Thr His Leu Glu Glu
 50 55 60
 Ala Asp Gly Gly Pro Glu Pro Thr Arg Asn Gly Val Asp Pro Pro Pro
 65 70 75 80
 Arg Ala Arg Ala Ala Ser Val Ile Pro Gly Ser Thr Ser Arg Leu Leu
 85 90 95
 Pro Ala Arg Pro Ser Leu Ser Ala Arg Lys Leu Ser Leu Gln Glu Arg
 100 105 110
 Pro Ala Gly Ser Tyr Leu Glu Ala Gln Ala Gly Pro Tyr Ala Thr Gly
 115 120 125
 Pro Ala Ser His Ile Ser Pro Arg Ala Trp Arg Arg Pro Thr Ile Glu
 130 135 140
 Ser His His Val Ala Ile Ser Asp Ala Glu Asp Cys Val Gln Leu Asn
 145 150 155 160
 Gln Tyr Lys Leu Gln Ser Glu Ile Gly Lys Gly Ala Tyr Gly Val Val
 165 170 175
 Arg Leu Ala Tyr Asn Glu Ser Glu Asp Arg His Tyr Ala Met Lys Val
 180 185 190
 Leu Ser Lys Lys Lys Leu Leu Lys Gln Tyr Gly Phe Pro Arg Arg Pro
 195 200 205

Pro Pro
210

<210> 760
<211> 172
<212> Amino acid
<213> Homo sapiens

<400> 760
Phe Val Tyr Gly Lys Pro Val Thr Leu Trp Pro Thr Ile Ser Ser Val
1 5 10 15
Val Pro Ser Thr Phe Leu Gly Leu Gly Asn Tyr Glu Val Glu Val Glu
20 25 30
Ala Glu Pro Asp Val Arg Gly Pro Glu Ile Val Thr Met Gly Glu Asn
35 40 45
Asp Pro Pro Ala Val Glu Ala Pro Phe Ser Phe Arg Ser Leu Phe Gly
50 55 60
Leu Asp Asp Leu Lys Ile Ser Pro Val Ala Pro Asp Ala Asp Ala Val
65 70 75 80
Ala Ala Gln Ile Leu Ser Leu Leu Pro Leu Lys Phe Phe Pro Ile Ile
85 90 95
Val Ile Gly Ile Ile Ala Leu Ile Leu Ala Leu Ala Ile Gly Leu Gly
100 105 110
Ile His Phe Asp Cys Ser Gly Lys Tyr Arg Cys Arg Ser Ser Phe Lys
115 120 125
Cys Ile Glu Leu Ile Ala Arg Cys Asp Gly Val Ser Asp Cys Lys Asp
130 135 140
Gly Glu Asp Glu Tyr Arg Cys Val Arg Val Gly Gly Gln Asn Ala Ala
145 150 155 160
Leu Gln Val Phe Thr Ala Ala Ser Arg Lys Thr Met
165 170 172

<210> 761
<211> 104
<212> Amino acid
<213> Homo sapiens

<400> 761
Ser Leu Ala Met Pro Phe Gly Cys Val Thr Leu Gly Asp Lys Lys Asn
1 5 10 15
Tyr Asn Gln Pro Ser Glu Val Thr Asp Arg Tyr Asp Leu Gly Gln Val
20 25 30
Ile Lys Thr Glu Glu Phe Cys Glu Ile Phe Arg Ala Lys Asp Lys Thr
35 40 45
Thr Gly Lys Leu His Thr Cys Lys Lys Phe Gln Lys Arg Asp Gly Arg
50 55 60
Lys Val Arg Lys Ala Ala Lys Asn Glu Ile Gly Ile Leu Lys Met Val
65 70 75 80
Lys His Pro Asn Ile Leu Gln Leu Val Asp Val Phe Val Thr Arg Lys
85 90 95
Glu Tyr Phe Ile Phe Leu Glu Leu
100 104

<210> 762
 <211> 249
 <212>Amino acid
 <213> Homo sapiens

<400> 762
 Gln Arg Arg Arg Phe Arg Ala Gly Leu Trp Gly Gly His Gly Leu Thr
 1 5 10 15
 Asp Gly Leu Arg Arg Asn Gly Gly Cys Gly Cys Ser Ala Arg Val Pro
 20 25 30
 Arg Val Gly Glu Arg Leu Arg Gly His Arg Cys Pro Asp Pro Leu Cys
 35 40 45
 Leu Leu Leu Asp Met Leu Phe Leu Ser Phe His Ala Gly Ser Trp Glu
 50 55 60
 Ser Trp Cys Cys Cys Cys Leu Ile Pro Ala Asp Arg Pro Trp Asp Arg
 65 70 75 80
 Gly Gln His Trp Gln Leu Glu Met Ala Asp Thr Arg Ser Val His Glu
 85 90 95
 Thr Arg Phe Glu Ala Ala Val Lys Val Ile Gln Ser Leu Pro Lys Asn
 100 105 110
 Gly Ser Phe Gln Pro Thr Asn Glu Met Met Leu Lys Phe Tyr Ser Phe
 115 120 125
 Tyr Lys Gln Ala Thr Glu Gly Pro Cys Lys Leu Ser Arg Pro Gly Phe
 130 135 140
 Trp Asp Pro Ile Gly Arg Tyr Lys Trp Asp Ala Trp Ser Ser Leu Gly
 145 150 155 160
 Asp Met Thr Lys Glu Glu Ala Met Ile Ala Tyr Val Glu Glu Met Lys
 165 170 175
 Lys Ile Ile Glu Thr Met Pro Met Thr Glu Lys Val Glu Glu Leu Leu
 180 185 190
 Arg Val Ile Gly Pro Phe Tyr Glu Ile Val Glu Asp Lys Lys Ser Gly
 195 200 205
 Arg Ser Ser Asp Ile Thr Ser Asp Leu Gly Asn Val Leu Thr Ser Thr
 210 215 220
 Pro Asn Ala Lys Thr Val Asn Gly Lys Ala Glu Ser Ser Asp Ser Gly
 225 230 235 240
 Ala Glu Ser Glu Glu Glu Ala Cys
 245 249

<210> 763
 <211> 184
 <212>Amino acid
 <213> Homo sapiens

<400> 763
 Ser Cys Phe Lys Gly Arg Thr Gly Gly Arg Ser Gly Ser Ser Gly Asp
 1 5 10 15
 Ser Ser Arg Trp Ala Arg Cys Gly Arg His Phe Ser Ala Ser Thr Glu
 20 25 30
 Glu Pro Pro Leu Ser Gln Pro Cys Ser Ala Leu Pro Arg Ser Gly Arg
 35 40 45
 Arg Gly Cys Ala Val Pro Ser Ser Val Thr Lys Met Leu Ser Phe Phe
 50 55 60
 Arg Arg Thr Leu Gly Arg Arg Ser Met Arg Lys His Ala Glu Lys Glu
 65 70 75 80

```

Arg Leu Arg Glu Ala Gln Arg Ala Ala Thr His Ile Pro Ala Ala Gly
      85          90          95
Asp Ser Lys Ser Ile Ile Thr Cys Arg Val Ser Leu Leu Asp Gly Thr
      100          105          110
Asp Val Ser Val Asp Leu Pro Lys Lys Ala Lys Gly Gln Glu Leu Phe
      115          120          125
Asp Gln Ile Met Tyr His Leu Asp Leu Ile Glu Ser Asp Tyr Phe Gly
      130          135          140
Leu Arg Phe Met Asp Ser Ala Gln Val Ala His Trp Leu Asp Gly Thr
      145          150          155          160
Lys Ser Ile Lys Lys Gln Val Lys Ile Gly Ser Pro Tyr Cys Leu His
      165          170          175
Leu Arg Val Lys Phe Tyr Ser Ser
      180          184

```

<210> 764
 <211> 138
 <212>Amino acid
 <213> Homo sapiens

```

<400> 764
Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1          5          10          15
Thr Cys Gly Leu Gln Ser Pro Ser Ala Met Leu Gly Ala Lys Pro His
      20          25          30
Trp Leu Pro Gly Pro Leu His Ser Pro Gly Leu Pro Leu Val Leu Val
      35          40          45
Leu Leu Ala Leu Gly Ala Gly Trp Ala Gln Glu Gly Ser Glu Pro Val
      50          55          60
Leu Leu Glu Gly Glu Cys Leu Val Val Cys Glu Pro Gly Arg Ala Ala
      65          70          75          80
Ala Gly Gly Pro Gly Gly Ala Ala Leu Gly Glu Ala Pro Pro Gly Arg
      85          90          95
Val Ala Phe Ala Ala Val Arg Ser His His His Glu Pro Ala Gly Glu
      100          105          110
Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val Leu Val
      115          120          125
Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser
      130          135          138

```

<210> 765
 <211> 168
 <212>Amino acid
 <213> Homo sapiens

```

<400> 765
Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Pro Gln Leu Glu Asn
 1          5          10          15
Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His Tyr Thr Thr
      20          25          30
Trp Pro Asp Phe Gly Val Pro Gln Ser Pro Ala Ser Phe Leu Asn Phe
      35          40          45
Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp His Gly Pro
      50          55          60

```

Val	Val	Ile	His	Arg	Ser	Ala	Gly	Thr	Gly	Arg	Ser	Ser	Thr	Phe	Ser
65					70					75					80
Val	Val	His	Thr	Cys	Leu	Val	Leu	Met	Glu	Lys	Gly	Asp	Asp	Ile	Asn
				85					90					95	
Ile	Lys	Gln	Val	Leu	Leu	Asn	Ile	Arg	Lys	Phe	Gln	Met	Gly	Leu	Ile
			100					105					110		
Gln	Thr	Pro	Asp	Gln	Leu	Arg	Phe	Ser	Tyr	Met	Ala	Ile	Thr	Glu	Gly
		115					120						125		
Ala	Lys	Cys	Val	Lys	Gly	Asp	Ser	Ser	Ile	Gln	Lys	Arg	Trp	Lys	Glu
	130					135					140				
Leu	Ser	Lys	Glu	Asp	Leu	Pro	Pro	Ala	Phe	Asp	His	Ser	Pro	Asn	Lys
145					150					155					160
Ile	Met	Thr	Glu	Lys	Tyr	Asn	Arg								
				165			168								

<210> 766
 <211> 255
 <212>Amino acid
 <213> Homo sapiens

<400> 766															
Leu	Asn	Arg	Gln	Arg	Cys	Gly	Asp	Gln	Val	Leu	Val	Pro	Gly	Thr	Gly
1				5					10					15	
Leu	Ala	Ala	Ile	Leu	Arg	Thr	Leu	Pro	Met	Phe	His	Asp	Glu	Glu	His
			20					25					30		
Ala	Arg	Ala	Arg	Gly	Leu	Ser	Glu	Asp	Thr	Leu	Val	Leu	Pro	Pro	Ala
		35					40					45			
Ser	Arg	Asn	Gln	Arg	Ile	Leu	Tyr	Thr	Val	Leu	Glu	Cys	Gln	Pro	Leu
	50					55					60				
Phe	Asp	Ser	Ser	Asp	Met	Thr	Ile	Ala	Glu	Trp	Val	Cys	Leu	Ala	Gln
65					70				75						80
Thr	Ile	Lys	Arg	His	Tyr	Glu	Gln	Tyr	His	Gly	Phe	Val	Val	Ile	His
				85					90					95	
Gly	Thr	Asp	Thr	Met	Ala	Phe	Ala	Ala	Ser	Met	Leu	Ser	Phe	Met	Leu
			100					105					110		
Glu	Asn	Leu	Gln	Lys	Thr	Val	Ile	Leu	Thr	Gly	Ala	Gln	Val	Pro	Ile
	115						120						125		
His	Ala	Leu	Trp	Ser	Asp	Gly	Arg	Glu	Asn	Leu	Leu	Gly	Ala	Leu	Leu
	130					135					140				
Met	Ala	Gly	Gln	Tyr	Val	Ile	Pro	Glu	Val	Cys	Leu	Phe	Phe	Gln	Asn
145					150					155					160
Gln	Leu	Phe	Arg	Gly	Asn	Arg	Ala	Thr	Lys	Val	Asp	Ala	Arg	Arg	Phe
				165					170					175	
Ala	Ala	Phe	Cys	Ser	Pro	Asn	Leu	Leu	Pro	Leu	Ala	Thr	Val	Gly	Ala
			180					185					190		
Asp	Ile	Thr	Ile	Asn	Arg	Glu	Leu	Val	Arg	Lys	Val	Asp	Gly	Lys	Ala
	195						200					205			
Gly	Leu	Val	Val	His	Ser	Ser	Met	Glu	Gln	Asp	Val	Gly	Leu	Leu	Arg
	210					215					220				
Leu	Tyr	Pro	Gly	Ile	Pro	Ala	Ala	Leu	Val	Arg	Ala	Phe	Leu	Gln	Pro
225					230					235					240
Pro	Leu	Lys	Gly	Val	Val	Met	Glu	Thr	Phe	Gly	Ser	Gly	Asn	Gly	
				245					250					255	

<210> 767
 <211> 260
 <212>Amino acid
 <213> Homo sapiens

<400> 767

```

Leu Phe Arg Leu Ala Pro Gly Phe Leu Arg Ser Leu Ala Arg Gln Gly
 1           5           10           15
Tyr His Gln Ile Trp Ala Phe Pro Phe Leu Pro Ser Gly Ala Thr Ala
          20           25           30
Thr Trp Pro Ala Ala Ser Arg Ser Arg Ser Leu Ala Ala Arg Ser Leu
          35           40           45
Pro Arg Ser Pro Ala Arg Pro Gly Pro Asn Asp Ala Leu Leu Gly Glu
          50           55           60
His Asp Phe Arg Gly Gln Gly Val Arg Ala Gln Arg Phe Arg Phe Ser
          65           70           75           80
Glu Glu Pro Gly Pro Gly Ala Asp Gly Ala Val Leu Glu Val His Val
          85           90           95
Pro Gln Ile Gly Ala Gly Val Ser Leu Pro Gly Ile Leu Ala Ala Lys
          100          105          110
Cys Gly Ala Glu Val Ile Leu Ser Asp Ser Ser Glu Leu Pro His Cys
          115          120          125
Leu Glu Val Cys Arg Gln Ser Cys Gln Met Asn Asn Leu Pro His Leu
          130          135          140
Gln Val Val Gly Leu Thr Trp Gly His Ile Ser Trp Asp Leu Leu Ala
          145          150          155          160
Leu Pro Pro Gln Asp Ile Ile Leu Ala Ser Asp Val Phe Phe Glu Pro
          165          170          175
Glu Asp Phe Glu Asp Ile Leu Ala Thr Ile Tyr Phe Leu Met His Lys
          180          185          190
Asn Pro Lys Val Gln Leu Trp Ser Thr Tyr Gln Val Arg Ser Ala Asp
          195          200          205
Trp Ser Leu Glu Ala Leu Leu Tyr Lys Trp Asp Met Lys Cys Val His
          210          215          220
Ile Pro Leu Glu Ser Phe Asp Ala Asp Lys Glu Asp Ile Ala Glu Ser
          225          230          235          240
Thr Leu Pro Gly Arg His Thr Val Glu Met Leu Val Ile Ser Phe Ala
          245          250          255
Lys Asp Ser Leu
          260

```

<210> 768

<211> 200

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(200)

<223> X = any amino acid or stop code

<400> 768

```

Ser Phe Ile Tyr Lys His Thr His Arg Ala Arg Phe Gly Pro Arg Ala
 1           5           10           15
Ile Val Ala Ser Pro Ala Leu Thr Ala Gly Pro His Val Ser Leu Thr
          20           25           30
Ala Ser Cys Arg Val Gly Met Trp Val Ser Cys Ser Pro Ser Pro Phe
          35           40           45
Leu His Pro Thr Asn Thr Leu Val Ala Val Leu Glu Arg Asp Thr Leu

```

```

      50              55              60
Gly Ile Arg Glu Val Arg Leu Phe Asn Ala Val Val Arg Trp Ser Glu
 65              70              75              80
Ala Glu Cys Gln Arg Gln Gln Leu Gln Val Thr Pro Glu Asn Arg Arg
      85              90              95
Lys Val Leu Gly Lys Ala Leu Gly Leu Ile Arg Phe Pro Leu Met Thr
      100              105              110
Ile Glu Glu Phe Ala Ala Gly Asn Arg Ala Arg Ala Gln Gly Leu Val
      115              120              125
Trp Glu Gly Ser Gly Thr Gln Val Gly Ile Trp Cys Thr Glu Asp Ser
      130              135              140
Ala Pro Glu Phe Thr Ala Glu Ser Leu Ala Asp Ala Trp His Ile Gln
      145              150              155              160
Ile Gly Arg Asn Leu Ala Cys Glu Asp Ala Ser Thr Trp Ala Ile Cys
      165              170              175
Xaa Pro Arg Pro Gly Ser Val Pro Thr Val His Thr Ala Arg Pro Arg
      180              185              190
Leu Ser Cys Leu Ser Ser Cys Phe
      195              200

```

```

<210> 769
<211> 33
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> X = any amino acid or stop code

```

```

      <400> 769
Met Ala Ser Thr Gln Asp Ala Glu Leu Ala Val Ser Arg Xaa Arg Ala
  1              5              10              15
Ile Ala Leu Xaa Pro Gly Xaa Gln Ser Xaa Xaa Pro Ser Gln Lys Lys
      20              25              30
Lys
33

```

```

<210> 770
<211> 599
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 770
Leu Leu Lys Ser Cys Gly Val Leu Leu Ser Gly Val Cys Ile Pro Cys
  1              5              10              15
Glu Gly Lys Gly Pro Thr Val Leu Val Ile Gln Thr Ala Val Pro Gln
      20              25              30
Asp Arg Pro Thr Lys Ser Ser Met Arg Ser Ala Ala Lys Pro Trp Asn
      35              40              45
Pro Ala Ile Arg Ala Gly Gly His Gly Pro Asp Arg Val Arg Pro Leu
      50              55              60
Pro Ala Ala Ser Ser Gly Met Lys Ser Ser Lys Ser Ser Thr Ser Leu
      65              70              75              80

```

Ala	Phe	Glu	Ser	Arg	Leu	Ser	Arg	Leu	Lys	Arg	Ala	Ser	Ser	Glu	Asp	85	90	95
Thr	Leu	Asn	Lys	Pro	Gly	Ser	Thr	Ala	Ala	Ser	Gly	Val	Val	Arg	Leu	100	105	110
Lys	Lys	Thr	Ala	Thr	Ala	Gly	Ala	Ile	Ser	Glu	Leu	Thr	Glu	Ser	Arg	115	120	125
Leu	Arg	Ser	Gly	Thr	Gly	Ala	Phe	Thr	Thr	Thr	Lys	Arg	Thr	Gly	Ile	130	135	140
Pro	Ala	Pro	Arg	Glu	Phe	Ser	Val	Thr	Val	Ser	Arg	Glu	Arg	Ser	Val	145	150	155
Pro	Arg	Gly	Pro	Ser	Asn	Pro	Arg	Lys	Ser	Val	Ser	Ser	Pro	Thr	Ser	165	170	175
Ser	Asn	Thr	Pro	Thr	Pro	Thr	Lys	His	Leu	Arg	Thr	Pro	Ser	Thr	Lys	180	185	190
Pro	Lys	Gln	Glu	Asn	Glu	Gly	Gly	Glu	Lys	Val	Arg	Leu	Ser	Pro	Lys	195	200	205
Phe	Arg	Glu	Leu	Leu	Ala	Glu	Ala	Lys	Ala	Lys	Asp	Ser	Glu	Ile	Asn	210	215	220
Arg	Leu	Arg	Ser	Glu	Leu	Lys	Lys	Tyr	Lys	Glu	Lys	Arg	Thr	Leu	Asn	225	230	235
Ala	Glu	Gly	Thr	Asp	Ala	Leu	Gly	Pro	Asn	Val	Asp	Gly	Thr	Ser	Val	245	250	255
Ser	Pro	Gly	Asp	Thr	Glu	Pro	Met	Ile	Arg	Ala	Leu	Glu	Glu	Lys	Asn	260	265	270
Lys	Asn	Phe	Gln	Lys	Glu	Leu	Ser	Asp	Leu	Glu	Glu	Glu	Asn	Arg	Val	275	280	285
Leu	Lys	Glu	Lys	Leu	Ile	Tyr	Leu	Glu	His	Ser	Pro	Asn	Ser	Glu	Gly	290	295	300
Ala	Ala	Ser	His	Thr	Gly	Asp	Ser	Ser	Cys	Pro	Thr	Ser	Ile	Thr	Gln	305	310	315
Glu	Ser	Ser	Phe	Gly	Ser	Pro	Thr	Gly	Asn	Gln	Leu	Ser	Ser	Asp	Ile	325	330	335
Asp	Glu	Tyr	Lys	Lys	Asn	Ile	His	Gly	Asn	Ala	Leu	Arg	Thr	Ser	Gly	340	345	350
Ser	Ser	Ser	Ser	Asp	Val	Thr	Lys	Ala	Ser	Leu	Ser	Pro	Asp	Ala	Ser	355	360	365
Asp	Phe	Glu	His	Ile	Thr	Ala	Glu	Thr	Pro	Ser	Arg	Pro	Leu	Ser	Ser	370	375	380
Thr	Ser	Asn	Pro	Phe	Lys	Ser	Ser	Lys	Cys	Ser	Thr	Ala	Gly	Ser	Ser	385	390	395
Pro	Asn	Ser	Val	Ser	Glu	Leu	Ser	Leu	Ala	Ser	Leu	Thr	Glu	Lys	Ile	405	410	415
Gln	Lys	Met	Glu	Glu	Asn	His	His	Ser	Thr	Ala	Glu	Glu	Leu	Gln	Ala	420	425	430
Thr	Leu	Gln	Glu	Leu	Ser	Asp	Gln	Gln	Gln	Met	Val	Gln	Glu	Leu	Thr	435	440	445
Ala	Glu	Asn	Glu	Lys	Leu	Val	Asp	Glu	Lys	Thr	Ile	Leu	Glu	Thr	Ser	450	455	460
Phe	His	Gln	His	Arg	Glu	Arg	Ala	Glu	Gln	Leu	Ser	Gln	Glu	Asn	Glu	465	470	475
Lys	Leu	Met	Asn	Leu	Gln	Glu	Arg	Val	Lys	Asn	Glu	Glu	Pro	Thr		485	490	495
Thr	Gln	Glu	Gly	Lys	Ile	Ile	Glu	Leu	Glu	Gln	Lys	Cys	Thr	Gly	Ile	500	505	510
Leu	Glu	Gln	Gly	Arg	Phe	Glu	Arg	Glu	Lys	Leu	Leu	Asn	Ile	Gln	Gln	515	520	525
Gln	Leu	Thr	Cys	Ser	Leu	Arg	Lys	Val	Glu	Glu	Glu	Asn	Gln	Gly	Ala	530	535	540
Leu	Glu	Met	Ile	Lys	Arg	Leu	Lys	Glu	Glu	Asn	Glu	Lys	Leu	Asn	Glu	545	550	555
Phe	Leu	Glu	Leu	Glu	Arg	His	Asn	Asn	Asn	Met	Met	Ala	Lys	Thr	Leu	565	570	575
Glu	Glu	Cys	Arg	Val	Thr	Leu	Glu	Gly	Leu	Lys	Met	Glu	Asn	Gly	Ser	580	585	590

Leu Lys Ser His Leu Gln Gly
595 599

<210> 771
<211> 103
<212> Amino acid
<213> Homo sapiens

<400> 771
Ser Gln Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn
1 5 10 15
Phe Cys Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile
20 25 30
Lys Ala Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu
35 40 45
Thr Asp Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly
50 55 60
Tyr Val Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu
65 70 75 80
Leu Thr Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val
85 90 95
Phe Asp Asn Gln Phe Gly Leu
100 103

<210> 772
<211> 218
<212> Amino acid
<213> Homo sapiens

<400> 772
Pro Phe Lys Lys Met Thr Asp Leu Leu Arg Ser Val Val Thr Val Ile
1 5 10 15
Asp Val Phe Tyr Lys Tyr Thr Lys Gln Asp Gly Glu Cys Gly Thr Leu
20 25 30
Ser Lys Gly Glu Leu Lys Glu Leu Leu Glu Lys Glu Leu His Pro Val
35 40 45
Leu Lys Asn Pro Asp Asp Pro Asp Thr Val Asp Val Ile Met His Met
50 55 60
Leu Asp Arg Asp His Asp Arg Arg Leu Asp Phe Thr Glu Phe Leu Leu
65 70 75 80
Met Ile Phe Lys Leu Thr Met Ala Cys Asn Lys Val Leu Ser Lys Glu
85 90 95
Tyr Cys Lys Ala Ser Gly Ser Lys Lys His Arg Arg Gly His Arg His
100 105 110
Gln Glu Glu Glu Ser Glu Thr Glu Glu Asp Glu Glu Asp Thr Pro Gly
115 120 125
His Lys Ser Gly Tyr Arg His Ser Ser Trp Ser Glu Gly Glu Glu His
130 135 140
Gly Tyr Ser Ser Gly His Ser Arg Gly Thr Val Lys Cys Arg His Gly
145 150 155 160
Ser Asn Ser Arg Arg Leu Gly Arg Gln Gly Asn Leu Ser Ser Ser Gly
165 170 175
Asn Gln Glu Gly Ser Gln Lys Arg Tyr His Arg Ser Ser Cys Gly His
180 185 190


```

Ser Trp Ser Gly Gly Lys Asp Arg His Gly Ser Ser Ser Val Glu Leu
    195                200                205
Arg Glu Arg Ile Asn Lys Ser His Ile Lys
    210                215                218

```

```

<210> 773
<211> 130
<212>Amino acid
<213> Homo sapiens

```

```

<400> 773
Val Pro Lys Ile Ser Gly Pro Asp His Ile Asp Phe Ile Pro Trp Asp
 1                5                10                15
Gln Leu Phe Met Ala Ser Ser Ser Ser Val Thr Glu Phe Leu Val Leu
    20                25                30
Gly Phe Ser Ser Leu Gly Glu Leu Gln Leu Val Leu Phe Ala Val Phe
    35                40                45
Leu Cys Leu Tyr Leu Ile Ile Leu Ser Gly Asn Ile Ile Ile Ile Ser
 50                55                60
Val Ile His Leu Asp His Ser Leu His Thr Pro Met Tyr Phe Phe Leu
 65                70                75                80
Gly Ile Leu Ser Ile Ser Glu Ile Phe Tyr Thr Thr Val Ile Leu Pro
    85                90                95
Lys Met Leu Ile Asn Leu Phe Ser Val Phe Arg Thr Leu Ser Phe Val
    100                105                110
Ser Cys Ala Thr Gln Met Phe Tyr Glu Ile Val Gly Pro Gly Thr Gln
    115                120                125
Glu Arg
130

```

```

<210> 774
<211> 204
<212>Amino acid
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(204)
<223> X = any amino acid or stop code

```

```

<400> 774
Asp His Ser Thr Glu Thr Pro Gly Ile Pro Ala Ala Glu Pro Val Ser
 1                5                10                15
His Gly Thr Gly Lys Leu Glu Arg Ala Pro Thr Leu Pro Ala Gly Ala
    20                25                30
Glu Leu Pro Ala Pro Ala Ala Val Pro Cys Pro Thr Leu Xaa Val Cys
    35                40                45
Leu Tyr Pro Gln Leu Leu Gly Leu Ser Val Ala Thr Met Val Thr Leu
 50                55                60
Thr Tyr Phe Gly Ala His Phe Ala Val Ile Arg Ala Ser Leu Glu
 65                70                75                80
Lys Asn Pro Tyr Gln Ala Val His Gln Trp Gly Thr Gln Gln Arg Leu
    85                90                95
Ile Gln His Pro Glu Ser Gly Ser Glu Gly Gln Ser Leu Leu Gly Pro

```

```

      100                      105                      110
Leu Arg Ala Phe Ser Ala Gly Leu Ser Leu Val Gly Leu Leu Thr Leu
      115                      120                      125
Gly Ala Val Leu Ser Ala Ala Thr Val Arg Glu Ala Gln Gly Leu
      130                      135                      140
Met Ala Gly Gly Phe Leu Cys Phe Ser Leu Ala Phe Cys Ala Gln Val
145                      150                      155                      160
Gln Val Val Phe Trp Arg Leu His Ser Pro Thr Gln Val Glu Asp Ala
      165                      170                      175
Met Leu Asp Thr Tyr Asp Leu Val Tyr Glu Gln Ala Met Lys Gly Thr
      180                      185                      190
Ser His Val Arg Arg Gln Glu Leu Ala Ala Ile Gln
      195                      200                      204

```

<210> 775
 <211> 121
 <212> Amino acid
 <213> Homo sapiens

```

<400> 775
Gln Pro Gly Tyr Ser Glu Tyr Asp Lys Asn Arg Gly Gln Gly Met Leu
 1                      5                      10                      15
Leu Asn Met Met Cys Gly Arg Gln Leu Ser Ala Ile Ser Leu Cys Leu
      20                      25                      30
Ala Val Thr Phe Ala Pro Leu Phe Asn Ala Gln Ala Asp Glu Pro Glu
      35                      40                      45
Val Ile Pro Gly Asp Ser Pro Val Ala Val Ser Glu Gln Gly Glu Ala
      50                      55                      60
Leu Pro Gln Ala Gln Ala Thr Ala Ile Met Ala Gly Ile Gln Pro Leu
      65                      70                      75                      80
Pro Glu Gly Ala Ala Glu Lys Ala Arg Thr Gln Ile Glu Ser Gln Leu
      85                      90                      95
Pro Ala Gly Tyr Lys Pro Val Tyr Leu Asn Gln Leu Gln Leu Leu Tyr
      100                      105                      110
Ala Ala Arg Gly Ile Ser Cys Ser Val
      115                      120 121

```

<210> 776
 <211> 142
 <212> Amino acid
 <213> Homo sapiens

```

<400> 776
Arg Thr Arg Ala Ala Asp Val Tyr Val Phe Ser Leu Thr Gly Lys Ser
 1                      5                      10                      15
Arg Asn Val Ser Ser Ser Thr Val Arg Arg Ser Ala Val Gly Gly Met
      20                      25                      30
Ser Ala Leu Ala Leu Phe Asp Leu Leu Lys Pro Asn Tyr Ala Leu Ala
      35                      40                      45
Thr Gln Val Glu Phe Thr Asp Pro Glu Ile Val Ala Glu Tyr Ile Thr
      50                      55                      60
Tyr Pro Ser Pro Asn Gly His Gly Glu Val Arg Gly Tyr Leu Val Lys
      65                      70                      75                      80
Pro Ala Lys Met Ser Gly Lys Thr Pro Ala Val Val Val Val His Glu

```

				85					90					95					
Asn	Arg	Gly	Leu	Asn	Pro	Tyr	Ile	Glu	Asp	Val	Ala	Arg	Arg	Val	Ala				
			100						105					110					
Lys	Ala	Gly	Tyr	Ile	Ala	Leu	Ala	Pro	Asp	Gly	Leu	Ser	Ser	Val	Gly				
			115					120					125						
Gly	Tyr	Pro	Gly	Asn	Asp	Ile	Lys	Val	Val	Ser	Ala	Ala	Ala						
			130				135						140		142				

<210> 777
 <211> 150
 <212>Amino acid
 <213> Homo sapiens

<400> 777

Val	Lys	Gln	Arg	His	Gly	Asn	Ser	Leu	Leu	Thr	Thr	Glu	Thr	Lys	Cys				
1				5					10					15					
Ile	Ser	Cys	Arg	Leu	Gly	Val	Pro	Leu	Ser	Pro	Gln	Arg	Arg	Phe	Gln				
			20					25					30						
Ala	Ile	Arg	Ile	Glu	Glu	Val	Lys	Leu	Arg	Trp	Phe	Ala	Phe	Leu	Ile				
			35				40					45							
Val	Leu	Leu	Ala	Gly	Cys	Ser	Ser	Lys	His	Asp	Tyr	Thr	Asn	Pro	Pro				
			50			55				60									
Trp	Asn	Ala	Lys	Val	Pro	Val	Gln	Arg	Ala	Met	Gln	Trp	Met	Pro	Ile				
					70				75					80					
Ser	Gln	Lys	Ala	Gly	Ala	Ala	Trp	Gly	Val	Asp	Pro	Gln	Leu	Ile	Thr				
				85				90					95						
Ala	Ile	Ile	Ala	Ile	Glu	Ser	Gly	Gly	Asn	Pro	Asn	Ala	Val	Ser	Lys				
			100					105					110						
Ser	Asn	Ala	Ile	Gly	Leu	Met	Gln	Leu	Lys	Ala	Ser	Thr	Ser	Gly	Arg				
			115				120					125							
Asp	Val	Tyr	Arg	Arg	Met	Gly	Trp	Ser	Gly	Glu	Pro	Thr	Thr	Ser	Glu				
			130			135					140								
Leu	Lys	Asn	Ser	Ser	Arg														
					150														

<210> 778
 <211> 296
 <212>Amino acid
 <213> Homo sapiens

<400> 778

His	Ala	Ala	Gly	Ile	Arg	His	Glu	Ala	Lys	Pro	Lys	Arg	Ser	Phe	Tyr				
1				5					10				15						
Ala	Ala	Arg	Asp	Leu	Tyr	Lys	Tyr	Arg	His	Gln	Tyr	Pro	Asn	Phe	Lys				
			20					25				30							
Asp	Ile	Arg	Tyr	Gln	Asn	Asp	Leu	Ser	Asn	Leu	Arg	Phe	Tyr	Lys	Asn				
			35			40					45								
Lys	Ile	Pro	Phe	Lys	Pro	Asp	Gly	Val	Tyr	Ile	Glu	Glu	Val	Leu	Ser				
			50			55				60									
Lys	Trp	Lys	Gly	Asp	Tyr	Glu	Lys	Leu	Glu	His	Asn	His	Thr	Tyr	Ile				
			65		70				75					80					
Gln	Trp	Leu	Phe	Pro	Leu	Arg	Glu	Gln	Gly	Leu	Asn	Phe	Tyr	Ala	Lys				
				85				90					95						
Glu	Leu	Thr	Thr	Tyr	Glu	Ile	Glu	Glu	Phe	Lys	Lys	Thr	Lys	Glu	Ala				

```

      100      105      110
Ile Arg Arg Phe Leu Leu Ala Tyr Lys Met Met Leu Glu Phe Phe Gly
      115      120      125
Ile Lys Leu Thr Asp Lys Thr Gly Asn Val Ala Arg Ala Val Asn Trp
      130      135      140
Gln Glu Arg Phe Gln His Leu Asn Glu Ser Gln His Asn Tyr Leu Arg
145      150      155      160
Ile Thr Arg Ile Leu Lys Ser Leu Gly Glu Leu Gly Tyr Glu Ser Phe
      165      170      175
Lys Ser Pro Leu Val Lys Phe Ile Leu His Glu Ala Leu Val Glu Asn
      180      185      190
Thr Ile Pro Asn Ile Lys Gln Ser Ala Leu Glu Tyr Phe Val Tyr Thr
      195      200      205
Ile Arg Asp Arg Arg Glu Arg Arg Lys Leu Leu Arg Phe Ala Gln Lys
      210      215      220
His Tyr Thr Pro Ser Glu Asn Phe Ile Trp Gly Pro Pro Arg Lys Glu
225      230      235      240
Gln Ser Glu Gly Ser Lys Ala Gln Lys Met Ser Ser Pro Leu Ala Ser
      245      250      255
Ser His Asn Ser Gln Thr Ser Met His Lys Lys Ala Lys Asp Ser Lys
      260      265      270
Asn Ser Ser Ser Ala Val His Leu Asn Ser Lys Thr Ala Glu Asp Lys
      275      280      285
Lys Val Ala Pro Lys Glu Pro Val
      290      295      296

```

<210> 779
 <211> 90
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 779
Glu Leu Gln Val Phe Gln Pro Ile Gly Gly Met Ser Asp Ser Gly Ser
  1      5      10      15
Gln Leu Gly Ser Met Gly Ser Leu Thr Met Lys Ser Gln Leu Gln Ile
      20      25      30
Thr Val Ile Ser Ala Lys Leu Lys Glu Asn Lys Lys Asn Trp Phe Gly
      35      40      45
Pro Ser Pro Tyr Val Glu Val Thr Val Asp Gly Gln Ser Lys Lys Thr
      50      55      60
Glu Lys Cys Asn Asn Thr Asn Ser Pro Lys Trp Lys Gln Pro Leu Thr
      65      70      75      80
Val Ile Val Thr Pro Val Ser Lys Leu His
      85      90

```

<210> 780
 <211> 88
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 780
Ile Glu Thr Leu Ser Phe Val Ile Arg Asn Trp Asn Thr His Ala Met
  1      5      10      15
Ser Lys Pro Ile Val Met Glu Arg Gly Val Lys Tyr Arg Asp Ala Asp

```

```

          20          25          30
Lys Met Ala Leu Ile Pro Val Lys Asn Val Ala Thr Glu Arg Glu Ala
          35          40          45
Leu Leu Arg Lys Pro Glu Trp Met Lys Ile Lys Leu Pro Ala Asp Ser
          50          55          60
Thr Arg Ile Gln Gly Ile Lys Ala Ala Met Arg Lys Asn Gly Leu His
          65          70          75          80
Ser Val Cys Glu Glu Ala Ser Cys
          85          88

```

<210> 781
 <211> 35
 <212>Amino acid
 <213> Homo sapiens

```

          <400> 781
Pro Arg Met Val Leu Gly Lys Pro Gln Thr Asp Pro Thr Leu Glu Trp
1          5          10          15
Phe Leu Ser His Cys His Ile His Lys Tyr Pro Ser Lys Ser Thr Leu
          20          25          30
Ile Pro Gln
          35

```

<210> 782
 <211> 145
 <212>Amino acid
 <213> Homo sapiens

```

          <400> 782
Gly Leu Arg Ile Ser Val Gln Glu Arg Ile Lys Ala Cys Phe Thr Glu
1          5          10          15
Ser Ile Gln Thr Gln Ile Ala Ala Ala Glu Ala Leu Pro Asp Ala Ile
          20          25          30
Ser Arg Ala Ala Met Thr Leu Val Gln Ser Leu Leu Asn Gly Asn Lys
          35          40          45
Ile Leu Cys Cys Gly Asn Gly Thr Ser Ala Ala Asn Ala Gln His Phe
          50          55          60
Ala Ala Ser Met Ile Asn Arg Phe Glu Thr Glu Arg Pro Ser Leu Pro
          65          70          75          80
Ala Ile Ala Leu Asn Thr Asp Asn Val Val Leu Thr Ala Ile Ala Asn
          85          90          95
Asp Arg Leu His Asp Glu Val Tyr Ala Lys Gln Val Arg Ala Leu Gly
          100          105          110
His Ala Gly Asp Val Leu Leu Ala Ile Ser Thr Arg Gly Asn Ser Arg
          115          120          125
Asp Ile Val Lys Ala Val Glu Ala Ala Val Thr Arg Asp Thr Thr Ile
          130          135          140
Val
145

```

<210> 783
 <211> 102
 <212>Amino acid

<213> Homo sapiens

<400> 783

```

Lys Gln Thr Gln His Ala Pro Gly Met Met Lys Lys Tyr Leu Ala Leu
 1              5              10              15
Ala Leu Ile Ala Pro Leu Leu Ile Ser Cys Ser Thr Thr Lys Lys Gly
      20              25              30
Asp Thr Tyr Asn Glu Ala Trp Val Lys Asp Thr Asn Gly Phe Asp Ile
      35              40              45
Leu Met Gly Gln Phe Ala His Asn Ile Glu Asn Ile Trp Gly Phe Lys
      50              55              60
Glu Val Val Ile Ala Gly Pro Lys Asp Tyr Val Lys Tyr Thr Asp Gln
      65              70              75              80
Tyr Gln Thr Arg Ser His Ile Asn Phe Asp Asp Gly Thr Ile Thr Ile
      85              90              95
Glu Pro Ile Pro Gly Thr
      100              102

```

<210> 784

<211> 78

<212>Amino acid

<213> Homo sapiens

<400> 784

```

Thr Asp Arg Thr Ala Leu Asn Pro Gly Gln Glu Ser Ala Met Asn Arg
 1              5              10              15
Leu Phe Ser Gly Arg Ser Asp Met Pro Phe Ala Leu Leu Leu Ala
      20              25              30
Pro Ser Leu Leu Leu Leu Gly Gly Leu Val Ala Trp Pro Met Val Ser
      35              40              45
Asn Ile Glu Ile Ser Phe Leu Arg Leu Pro Leu Asn Pro Asn Ile Glu
      50              55              60
Ser Thr Phe Val Gly Val Ser Asn Tyr Val Arg Ile Leu Ser
      65              70              75              78

```

<210> 785

<211> 148

<212>Amino acid

<213> Homo sapiens

<400> 785

```

Lys Glu Leu Val Asp Glu Lys Ser Glu Arg Gly Arg Ala Met Asp Pro
 1              5              10              15
Val Ser Gln Leu Ala Ser Ala Gly Thr Phe Arg Val Leu Lys Glu Pro
      20              25              30
Leu Ala Phe Leu Arg Ala Leu Glu Leu Leu Phe Ala Ile Phe Ala Phe
      35              40              45
Ala Thr Cys Gly Gly Tyr Ser Gly Gly Leu Arg Leu Ser Val Asp Cys
      50              55              60
Val Asn Lys Thr Glu Ser Asn Leu Ser Ile Asp Ile Ala Phe Ala Tyr

```

65					70				75				80		
Pro	Phe	Arg	Leu	His	Gln	Val	Thr	Phe	Glu	Val	Pro	Thr	Cys	Glu	Gly
				85					90					95	
Lys	Glu	Arg	Gln	Lys	Leu	Ala	Leu	Ile	Gly	Asp	Ser	Ser	Ser	Ser	Ala
			100					105					110		
Glu	Phe	Phe	Val	Thr	Val	Ala	Val	Phe	Ala	Phe	Leu	Tyr	Ser	Leu	Ala
		115					120					125			
Ala	Thr	Gly	Arg	Tyr	Ile	Phe	Phe	His	Asn	Lys	Asn	Arg	Glu	Asn	Asn
	130					135					140				
Arg	Gly	Pro	Leu												
145			148												

<210> 786
 <211> 246
 <212> Amino acid
 <213> Homo sapiens

<400> 786															
Leu	Gly	Thr	Val	Ser	Tyr	Gly	Ala	Asp	Thr	Met	Asp	Glu	Ile	Gln	Ser
1				5					10					15	
His	Val	Arg	Asp	Ser	Tyr	Ser	Gln	Met	Gln	Ser	Gln	Ala	Gly	Gly	Asn
			20					25					30		
Asn	Thr	Gly	Ser	Thr	Pro	Leu	Arg	Lys	Ala	Gln	Ser	Ser	Ala	Pro	Lys
		35					40					45			
Val	Arg	Lys	Ser	Val	Ser	Ser	Arg	Ile	His	Glu	Ala	Val	Lys	Ala	Ile
	50					55				60					
Val	Leu	Cys	His	Asn	Val	Thr	Pro	Val	Tyr	Glu	Ser	Arg	Ala	Gly	Val
65					70				75					80	
Thr	Glu	Glu	Thr	Glu	Phe	Ala	Glu	Ala	Asp	Gln	Asp	Phe	Ser	Asp	Glu
				85					90					95	
Asn	Arg	Thr	Tyr	Gln	Ala	Ser	Ser	Pro	Asp	Glu	Val	Ala	Leu	Val	Gln
			100					105					110		
Trp	Thr	Glu	Ser	Val	Gly	Leu	Thr	Leu	Val	Ser	Arg	Asp	Leu	Thr	Ser
	115					120						125			
Met	Gln	Leu	Lys	Thr	Pro	Ser	Gly	Gln	Val	Leu	Ser	Phe	Cys	Ile	Leu
	130					135					140				
Gln	Leu	Phe	Pro	Phe	Thr	Ser	Glu	Ser	Lys	Arg	Met	Gly	Val	Ile	Val
145					150				155					160	
Arg	Asp	Glu	Ser	Thr	Ala	Glu	Ile	Thr	Phe	Tyr	Met	Lys	Gly	Ala	Asp
				165					170					175	
Val	Ala	Met	Ser	Pro	Ile	Val	Gln	Tyr	Asn	Asp	Trp	Leu	Glu	Glu	Glu
			180					185					190		
Cys	Gly	Asn	Met	Ala	Arg	Glu	Gly	Leu	Arg	Thr	Leu	Val	Val	Ala	Lys
		195					200					205			
Lys	Ala	Leu	Thr	Glu	Glu	Gln	Tyr	Gln	Asp	Phe	Glu	Val	Ser	Arg	Leu
	210					215					220				
Pro	Gly	Ile	Pro	Ser	Ser	Tyr	Asp	Gly	Ala	Phe	Leu	Thr	Leu	Lys	Leu
225					230					235					240
Val	Leu	Pro	Val	Phe	Val										
				245	246										

<210> 787
 <211> 176
 <212> Amino acid
 <213> Homo sapiens

<400> 787
 Glu Gly Pro His Arg Arg Leu Phe Gln Met Val Lys Ala Leu Gln Glu
 1 5 10 15
 Ala Pro Glu Asp Pro Asn Gln Ile Leu Ile Gly Tyr Ser Arg Gly Leu
 20 25 30
 Val Val Ile Trp Asp Leu Gln Gly Ser Arg Val Leu Tyr His Phe Leu
 35 40 45
 Ser Ser Gln Gln Leu Glu Asn Ile Trp Trp Gln Arg Asp Gly Arg Leu
 50 55 60
 Leu Val Ser Cys His Ser Asp Gly Ser Tyr Cys Gln Trp Pro Val Ser
 65 70 75 80
 Ser Glu Ala Gln Gln Pro Glu Pro Leu Arg Ser Leu Val Pro Tyr Gly
 85 90 95
 Pro Phe Pro Cys Lys Ala Ile Thr Arg Ile Leu Trp Leu Thr Thr Arg
 100 105 110
 Gln Gly Leu Pro Phe Thr Ile Phe Gln Gly Gly Met Pro Arg Ala Ser
 115 120 125
 Tyr Gly Asp Arg His Cys Ile Ser Val Ile His Asp Gly Gln Gln Thr
 130 135 140
 Ala Phe Asp Phe Thr Ser Arg Val Ile Gly Phe Thr Val Leu Thr Glu
 145 150 155 160
 Ala Asp Pro Ala Ala Ser Arg Arg Ala Ser Gly Val Gly Ala Gln Gly
 165 170 175 176

<210> 788
 <211> 180
 <212> Amino acid
 <213> Homo sapiens

<400> 788
 Lys Gln Gly Leu Glu Val Arg Asp Leu His Phe Lys Glu Ile Thr Ser
 1 5 10 15
 Gly Arg Ala Leu Leu Arg Val Ala Cys Lys Arg Pro Ser Met Val Pro
 20 25 30
 Gly Gly Gln Leu Gln Arg Ala Gly Ala Gly Ala Gln Ala Arg Ile Thr
 35 40 45
 Gly Leu Ser Pro Ala Leu Trp Gly Ala Arg Val His Gly Trp Ile Pro
 50 55 60
 Glu Leu Pro Ala Gly Leu Pro Pro Gly Ala Cys Leu Trp Pro Leu Ile
 65 70 75 80
 Pro Ala Cys Pro Ser Arg His Trp Gly Trp Val Ser Ala Pro Val Lys
 85 90 95
 Gly Trp Ala Gln Ala Ile Leu Gly Leu Ala Leu Cys Leu Arg Gly Glu
 100 105 110
 His Arg Gly Leu Gly Ala Gly Val Ser Lys Val Arg Ser Leu Lys Met
 115 120 125
 Asp Arg Lys Val Trp Thr Glu Thr Leu Ile Glu Val Gly Met Pro Leu
 130 135 140
 Leu Ala Thr Asp Thr Trp Gly Leu Pro His Ser Thr Ala Val Trp Val
 145 150 155 160
 Ser Gln Pro Pro Pro Tyr Leu Ser Asp His Ser Thr Leu Glu Leu Glu
 165 170 175
 Arg Asp Pro Leu
 180

<210> 789
 <211> 145
 <212>Amino acid
 <213> Homo sapiens

<400> 789
 Leu Ser Cys Asn Ser Glu Gln Ala Leu Leu Ser Leu Val Pro Val Gln
 1 5 10 15
 Arg Glu Leu Leu Arg Arg Arg Tyr Gln Ser Ser Pro Ala Lys Pro Asp
 20 25 30
 Ser Ser Phe Tyr Lys Gly Leu Gly Thr Cys Pro Ser Gln Leu Arg Leu
 35 40 45
 Ser Glu Pro Pro Pro Thr Pro Arg His Leu Ser Val Ala Ser Val Ser
 50 55 60
 His His Met Phe Pro Ser His Arg Ser Leu Cys Pro His Leu Pro Asp
 65 70 75 80
 Phe Phe Ala Ala Pro Phe Pro Ser Asp Asn Leu Pro Tyr Thr Leu Gln
 85 90 95
 Ser Pro Phe Pro Ser Pro Pro Pro Ala Thr Pro Ser Asp His Ala Leu
 100 105 110
 Ile Leu His His Asp Leu Asn Gly Gly Pro Asp Asp Pro Leu Gln Gln
 115 120 125
 Thr Gly Gln Leu Phe Gly Gly Leu Val Arg Asp Ile Arg Arg Arg Tyr
 130 135 140
 Pro
 145

<210> 790
 <211> 65
 <212>Amino acid
 <213> Homo sapiens

<400> 790
 Ser Pro Ser Ser Lys Leu Val Gly Met Trp Trp Ala Gly Arg Ala Gly
 1 5 10 15
 Ser Ser Arg Thr Thr Ser Val Ser Leu Leu Cys Leu Pro Ser Ala Pro
 20 25 30
 Phe Gly Ala Ser Asn Leu Leu Val Asn Pro Leu Glu Pro Gln Asn Ala
 35 40 45
 Asp Lys Ile Lys Ile Lys Ile Ala Asp Leu Gly Asn Ala Cys Trp Val
 50 55 60
 Val
 65

<210> 791
 <211> 144
 <212>Amino acid
 <213> Homo sapiens

<400> 791
 Arg Val Asp Pro Arg Val Arg Ala Pro Arg Cys Gly Asp Lys Ile Lys
 1 5 10 15
 Asn His Met Tyr Lys Cys Asp Cys Gly Ser Leu Lys Asp Cys Ala Ser
 20 25 30
 Asp Arg Cys Cys Glu Thr Ser Cys Thr Leu Ser Leu Gly Ser Val Cys
 35 40 45
 Asn Thr Gly Leu Cys Cys His Lys Cys Lys Tyr Ala Ala Pro Gly Val
 50 55 60
 Val Cys Arg Asp Leu Gly Gly Ile Cys Asp Leu Pro Glu Tyr Cys Asp
 65 70 75 80
 Gly Lys Lys Glu Glu Cys Pro Asn Asp Ile Tyr Ile Gln Asp Gly Thr
 85 90 95
 Pro Cys Ser Ala Val Ser Val Cys Ile Arg Gly Asn Cys Ser Asp Arg
 100 105 110
 Asp Met Gln Cys Gln Ala Leu Phe Gly Tyr Gln Val Lys Asp Gly Ser
 115 120 125
 Pro Ala Cys Tyr Arg Lys Leu Asn Arg Ile Gly Asn Arg Phe Gly Thr
 130 135 140 144

<210> 792
 <211> 242
 <212> Amino acid
 <213> Homo sapiens

<400> 792
 Pro Gly Arg Pro Thr Arg Pro Asp Ala Ser Leu Ala Gln Asp Pro Arg
 1 5 10 15
 Thr Thr Met Phe Arg Ile Pro Glu Phe Lys Trp Ser Pro Met His Gln
 20 25 30
 Arg Leu Leu Thr Asp Leu Leu Phe Ala Leu Glu Thr Asp Val His Val
 35 40 45
 Trp Arg Ser His Ser Thr Lys Ser Val Met Asp Phe Val Asn Ser Asn
 50 55 60
 Glu Asn Ile Ile Phe Val His Asn Thr Ile His Leu Ile Ser Gln Met
 65 70 75 80
 Val Asp Asn Ile Ile Ala Cys Gly Gly Ile Leu Pro Leu Leu Ser
 85 90 95
 Ala Ala Thr Ser Pro Thr Gly Ser Lys Thr Glu Leu Glu Asn Ile Glu
 100 105 110
 Val Thr Gln Gly Met Ser Ala Glu Thr Ala Val Thr Phe Leu Ser Arg
 115 120 125
 Leu Met Ala Met Val Asp Val Leu Val Phe Ala Ser Ser Leu Asn Phe
 130 135 140
 Ser Glu Ile Glu Ala Glu Lys Asn Met Ser Ser Gly Gly Leu Met Arg
 145 150 155 160
 Gln Cys Leu Lys Leu Val Cys Cys Val Ala Val Arg Asn Cys Leu Glu
 165 170 175
 Cys Arg Gln Arg Gln Arg Asp Arg Gly Asn Lys Ser Ser His Gly Ser
 180 185 190
 Ser Lys Pro Gln Glu Val Pro Gln Ser Val Thr Ala Thr Ala Ala Ser
 195 200 205
 Lys Thr Pro Leu Glu Asn Val Pro Gly Asn Leu Ser Pro Ile Lys Asp
 210 215 220
 Pro Asp Arg Leu Leu Gln Asp Val Asp Ile Asn Arg Leu Arg Ala Val
 225 230 235 240
 Val Phe

242

<210> 793
 <211> 412
 <212> Amino acid
 <213> Homo sapiens

<400> 793
 Asn Ser Ser Gly Val Lys Leu Leu Gln Ala Leu Gly Leu Ser Pro Gly
 1 5 10 15
 Asn Gly Lys Asp His Ser Ile Leu His Ser Arg Asn Asp Leu Glu Glu
 20 25 30
 Ala Phe Ile His Phe Met Gly Lys Gly Ala Ala Ala Glu Arg Phe Phe
 35 40 45
 Ser Asp Lys Glu Thr Phe His Asp Ile Ala Gln Val Ala Ser Glu Phe
 50 55 60
 Pro Gly Ala Gln His Tyr Val Gly Gly Asn Ala Ala Leu Ile Gly Gln
 65 70 75 80
 Lys Phe Ala Ala Asn Ser Asp Leu Lys Val Leu Leu Cys Gly Pro Val
 85 90 95
 Gly Pro Lys Leu His Glu Leu Leu Asp Asp Asn Val Phe Val Pro Pro
 100 105 110
 Glu Ser Leu Gln Glu Val Asp Glu Phe His Leu Ile Leu Glu Tyr Gln
 115 120 125
 Ala Gly Glu Glu Trp Gly Gln Leu Lys Ala Pro His Ala Asn Arg Phe
 130 135 140
 Ile Phe Ser His Asp Leu Ser Asn Gly Ala Met Asn Met Leu Glu Val
 145 150 155 160
 Phe Val Ser Ser Leu Glu Glu Phe Gln Pro Asp Leu Gly Gly Leu Ser
 165 170 175
 Gly Leu His Met Met Glu Gly Gln Ser Lys Glu Leu Gln Arg Lys Arg
 180 185 190
 Leu Leu Glu Val Val Thr Ser Ile Ser Asp Ile Pro Thr Gly Ile Pro
 195 200 205
 Val His Leu Glu Leu Gly Ser Met Thr Asn Arg Glu Leu Met Ser Ser
 210 215 220
 Ile Val Leu Gln Gln Val Phe Pro Ala Val Thr Ser Leu Gly Leu Asn
 225 230 235 240
 Glu Gln Glu Leu Leu Phe Leu Thr Gln Ser Ala Ser Gly Pro His Ser
 245 250 255
 Ser Leu Ser Ser Trp Asn Gly Val Pro Asp Val Gly Met Val Ser Asp
 260 265 270
 Ile Leu Phe Trp Ile Leu Lys Glu His Gly Arg Ser Lys Ser Arg Ala
 275 280 285
 Ser Asp Leu Thr Arg Ile His Phe His Thr Leu Val Tyr His Ile Leu
 290 295 300
 Ala Thr Val Asp Gly His Trp Ala Asn Gln Leu Ala Ala Val Ala Ala
 305 310 315 320
 Gly Ala Arg Val Ala Gly Thr Gln Ala Cys Ala Thr Glu Thr Ile Asp
 325 330 335
 Thr Ser Arg Val Ser Leu Arg Ala Pro Gln Glu Phe Met Thr Ser His
 340 345 350
 Ser Glu Ala Gly Ser Arg Ile Val Leu Asn Pro Asn Lys Pro Val Val
 355 360 365
 Glu Trp His Arg Glu Gly Ile Ser Phe His Phe Thr Pro Val Leu Val
 370 375 380
 Cys Lys Asp Pro Ile Arg Thr Val Gly Leu Gly Asp Ala Ile Ser Ala
 385 390 395 400
 Glu Gly Leu Phe Tyr Ser Glu Val His Pro His Tyr

405

410

412

<210> 794
 <211> 83
 <212>Amino acid
 <213> Homo sapiens

<400> 794
 Asp Asp Ser Ser Gly Trp Gly Leu Glu Gln Leu Val Val Arg Trp Ser
 1 5 10 15
 Leu Ala Leu Trp Pro Arg Leu Glu Cys Ser Gly Met Ile Ser Ala His
 20 25 30
 Cys Asn Leu Cys Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala Pro
 35 40 45
 Arg Val Ala Gly Ile Thr Asp Val Cys His His Ala Trp Leu Val Phe
 50 55 60
 Val Phe Leu Val Val Met Gly Phe Pro His Val Gly His Val Gly Leu
 65 70 75 80
 Glu Leu Leu
 83

<210> 795
 <211> 391
 <212>Amino acid
 <213> Homo sapiens

<400> 795
 Leu Gly Glu Val Leu Lys Cys Gln Gln Gly Val Ser Ser Leu Ala Phe
 1 5 10 15
 Ala Leu Ala Phe Leu Gln Arg Met Asp Met Lys Pro Leu Val Val Leu
 20 25 30
 Gly Leu Pro Ala Pro Thr Ala Pro Ser Gly Cys Leu Ser Phe Trp Glu
 35 40 45
 Ala Lys Ala Gln Leu Ala Lys Ser Cys Lys Val Leu Val Asp Ala Leu
 50 55 60
 Arg His Asn Ala Ala Ala Val Pro Phe Phe Gly Gly Gly Ser Val
 65 70 75 80
 Leu Arg Ala Ala Glu Pro Ala Pro His Ala Ser Tyr Gly Gly Ile Val
 85 90 95
 Ser Val Glu Thr Asp Leu Leu Gln Trp Cys Leu Glu Ser Gly Ser Ile
 100 105 110
 Pro Ile Leu Cys Pro Ile Gly Glu Thr Ala Ala Arg Arg Ser Val Leu
 115 120 125
 Leu Asp Ser Leu Glu Val Thr Ala Ser Leu Ala Lys Ala Leu Arg Pro
 130 135 140
 Thr Lys Ile Ile Phe Leu Asn Asn Thr Gly Gly Leu Arg Asp Ser Ser
 145 150 155 160
 His Lys Val Leu Ser Asn Val Asn Leu Pro Ala Asp Leu Asp Leu Val
 165 170 175
 Cys Asn Ala Glu Trp Val Ser Thr Lys Glu Arg Gln Gln Met Arg Leu
 180 185 190
 Ile Val Asp Val Leu Ser Arg Leu Pro His His Ser Ser Ala Val Ile
 195 200 205
 Thr Ala Ala Ser Thr Leu Leu Thr Glu Leu Phe Ser Asn Lys Gly Ser

```

      210              215              220
Gly Thr Leu Phe Lys Asn Ala Glu Arg Met Leu Arg Val Arg Ser Leu
225              230              235              240
Asp Lys Leu Asp Gln Gly Arg Leu Val Asp Leu Val Asn Ala Ser Phe
      245              250              255
Gly Lys Lys Leu Arg Asp Asp Tyr Leu Ala Ser Leu Arg Pro Arg Leu
      260              265              270
His Ser Ile Tyr Val Ser Glu Gly Tyr Asn Ala Ala Ala Ile Leu Thr
      275              280              285
Met Glu Pro Val Leu Gly Gly Thr Pro Tyr Leu Asp Lys Phe Val Val
      290              295              300
Ser Ser Ser Arg Gln Gly Gln Gly Ser Gly Gln Met Leu Trp Glu Cys
305              310              315              320
Leu Arg Arg Asp Leu Gln Thr Leu Phe Trp Arg Ser Arg Val Thr Asn
      325              330              335
Pro Ile Asn Pro Trp Tyr Phe Lys His Ser Asp Gly Ser Phe Ser Asn
      340              345              350
Lys Gln Trp Ile Phe Phe Trp Phe Gly Leu Ala Asp Ile Arg Asp Ser
      355              360              365
Tyr Glu Leu Val Asn His Ala Lys Gly Leu Pro Asp Ser Phe His Lys
      370              375              380
Pro Ala Ser Asp Pro Gly Ser
385              390 391

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<210> 796
<211> 127
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(127)
<223> X = any amino acid or stop code

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```

      <400> 796
Tyr His Ala Pro Ala Leu Gln Pro Gly Gln Gln Ser Lys Thr Leu Ser
 1              5              10              15
Gln Glu Lys Lys Asn Phe Phe Arg Pro Gly Ala Val Ala His Thr Cys
      20              25              30
Asn Pro Ser Thr Leu Gly Gly Arg Gly Gly Arg Ile Thr Arg Ser Gly
      35              40              45
Asp Arg Asp His Pro Gly Xaa His Gly Glu Thr Pro Ser Leu Leu Lys
      50              55              60
Ile Gln Lys Lys Leu Ala Gly Arg Asp Gly Gly Arg Leu Xaa Ser Gln
      65              70              75              80
Leu Leu Gly Arg Leu Arg Gln Glu Asn Gly Val Asn Pro Gly Gly Gly
      85              90              95
Gly Cys Ser Glu Pro Arg Leu Arg His Cys Thr Pro Ala Trp Xaa Gln
      100              105              110
Ser Glu Thr Ile Ser Arg Lys Lys Arg Lys Lys Glu Arg Lys Tyr
      115              120              125              127

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<210> 797
<211> 159
<212>Amino acid
<213> Homo sapiens

```

<400> 797

```

Phe Arg Pro Ile Gly Ile Ile Arg Gln Ala Leu Cys Ser Ala Asp Gly
 1           5           10           15
His Gln Arg Arg Ile Leu Thr Leu Arg Leu Gly Leu Leu Val Ile Pro
          20           25           30
Phe Leu Pro Ala Ser Asn Leu Phe Phe Arg Val Gly Phe Val Val Pro
          35           40           45
Ser Val Gly Cys Cys Val Met Leu Leu Phe Gly Phe Gly Ala Leu Arg
          50           55           60
Lys His Thr Glu Lys Lys Lys Leu Ile Ala Ala Val Val Leu Gly Ile
          65           70           75           80
Leu Leu Ser Asn Asp Ala Glu Arg Leu Arg Cys Ala Val Arg Gly Gly
          85           90           95
Glu Trp Arg Ser Glu Glu Ala Val Phe Arg Gly Ala Val Ser Val Cys
          100          105          110
Pro Leu Ser Ala Glu Val Arg Cys Asn Ile Gly Arg Asn Leu Ala Ala
          115          120          125
Lys Gly Asn Gln Thr Gly Ala Ile Arg Tyr His Arg Glu Ala Val Ser
          130          135          140
Leu Asn Pro Lys Thr Lys Ser Ser Thr Arg Glu Phe Arg Pro Cys
          145          150          155          159

```

<210> 798

<211> 236

<212>Amino acid

<213> Homo sapiens

<400> 798

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Lys Ile Ala Asp Phe Gly Phe Ser Asn Leu Phe Thr Pro Gly Gln Leu
 1           5           10           15
Leu Lys Thr Trp Cys Gly Ser Pro Pro Tyr Ala Ala Pro Glu Leu Phe
          20           25           30
Glu Gly Lys Glu Tyr Asp Gly Pro Lys Val Asp Ile Trp Ser Leu Gly
          35           40           45
Val Val Leu Tyr Val Leu Val Cys Gly Ala Leu Pro Phe Asp Gly Ser
          50           55           60
Thr Leu Gln Asn Leu Arg Ala Arg Val Leu Ser Gly Lys Phe Arg Ile
          65           70           75           80
Pro Phe Phe Met Ser Thr Glu Cys Glu His Leu Ile Arg His Met Leu
          85           90           95
Val Leu Asp Pro Asn Lys Arg Leu Ser Met Glu Gln Ile Cys Lys His
          100          105          110
Lys Trp Met Lys Leu Gly Asp Ala Asp Pro Asn Phe Asp Arg Leu Ile
          115          120          125
Ala Glu Cys Gln Gln Leu Lys Glu Glu Arg Gln Val Asp Pro Leu Asn
          130          135          140
Glu Asp Val Leu Leu Ala Met Glu Asp Met Gly Leu Asp Lys Glu Gln
          145          150          155          160
Thr Leu Gln Ser Leu Arg Ser Asp Ala Tyr Asp His Tyr Ser Ala Ile
          165          170          175
Tyr Ser Leu Leu Cys Asp Arg His Lys Arg His Lys Thr Leu Arg Leu
          180          185          190
Gly Ala Leu Pro Ser Met Pro Arg Ala Leu Gly Leu Ser Ser Thr Ser
          195          200          205
Gln Tyr Pro Ala Glu Gln Ala Gly Thr Ala Met Asn Ile Ser Val Pro
          210          215          220

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Gln Val Gln Leu Ile Asn Pro Glu Asn Gln Ile Val
 225 230 235 236

<210> 799
 <211> 114
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(114)
 <223> X = any amino acid or stop code

<400> 799
 Ala Arg Glu Phe Leu Gly His Arg Ala Ser Ile Thr Trp Ser Xaa Ala
 1 5 10 15
 Arg Val His His Arg Phe Pro Lys Ala Glu Val Ala Xaa Pro Ser Leu
 20 25 30
 Leu Arg Thr Asp Leu Thr Glu Asp Arg Thr Lys Cys Cys His Gly Asp
 35 40 45
 Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Val Glu Asp Ile Trp
 50 55 60
 Glu Asn Gln Asp Ser Ile Ser Thr Ile Leu Ile Glu Cys Cys Glu Lys
 65 70 75 80
 Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Asn Asp Glu
 85 90 95
 Met Pro Ala Asp Leu Pro Ser Leu Ala Ala Asp Phe Val Glu Ser Lys
 100 105 110
 Asp Val
 114

<210> 800
 <211> 328
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(328)
 <223> X = any amino acid or stop code

<400> 800
 Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg Gly
 1 5 10 15
 Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser Gly
 20 25 30
 Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser Ser
 35 40 45
 Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys Ala
 50 55 60
 Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr Ala
 65 70 75 80
 Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser Ser
 85 90 95

Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val Asp
 100 105 110
 Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu Gln
 115 120 125
 Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr Ala
 130 135 140
 Arg Arg Asn Arg Arg Pro Gly Ser Xaa Lys Asp Cys Thr Pro Xaa Lys
 145 150 155 160
 Cys Leu Arg Lys Ser Asp Glu Ala Leu Asn Arg Val Leu Gln Gln Ile
 165 170 175
 Arg Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg
 180 185 190
 Gly Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser
 195 200 205
 Gly Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser
 210 215 220
 Ser Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys
 225 230 235 240
 Ala Ala Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr
 245 250 255
 Ala Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser
 260 265 270
 Ser Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val
 275 280 285
 Asp Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu
 290 295 300
 Gln Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr
 305 310 315 320
 Ala Arg Arg Asn Arg Arg Pro Gly
 325 328

<210> 801
 <211> 356
 <212> Amino acid
 <213> Homo sapiens

<400> 801
 Met Gln Thr Ile Glu Arg Leu Val Lys Glu Arg Asp Asp Leu Met Ser
 1 5 10 15
 Ala Leu Val Ser Val Arg Ser Ser Leu Ala Asp Thr Gln Gln Arg Glu
 20 25 30
 Ala Ser Ala Tyr Glu Gln Val Lys Gln Val Leu Gln Ile Ser Glu Glu
 35 40 45
 Ala Asn Phe Glu Lys Thr Lys Ala Leu Ile Gln Cys Asp Gln Leu Arg
 50 55 60
 Lys Glu Leu Glu Arg Gln Ala Glu Arg Leu Glu Lys Glu Leu Ala Ser
 65 70 75 80
 Gln Gln Glu Lys Arg Ala Ile Glu Lys Asp Met Met Lys Lys Glu Ile
 85 90 95
 Thr Lys Glu Arg Glu Tyr Met Gly Ser Lys Met Leu Ile Leu Ser Gln
 100 105 110
 Asn Ile Ala Gln Leu Glu Ala Gln Val Glu Lys Val Thr Lys Glu Lys
 115 120 125
 Ile Ser Ala Ile Asn Gln Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser
 130 135 140
 Arg Glu Met Asp Val Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu
 145 150 155 160
 Asn Lys Thr Asn Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu
 165 170 175

Phe Arg Ala Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile
 180 185 190
 Glu Lys Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln
 195 200 205
 Glu Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 210 215 220
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln Glu
 225 230 235 240
 Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala Gln Ala
 245 250 255
 Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys Ile Gln Gln
 260 265 270
 Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln Tyr Leu Leu Leu
 275 280 285
 Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys Glu Glu Cys Cys Thr
 290 295 300
 Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln Lys Thr Arg Ser Glu Ile
 305 310 315 320
 Ala Gln Leu Ser Gln Glu Lys Arg Tyr Thr Tyr Asp Lys Leu Gly Lys
 325 330 335
 Leu Gln Arg Arg Asn Glu Glu Leu Glu Glu Gln Cys Val Gln His Gly
 340 345 350
 Arg Ser Thr *
 355

<210> 802
 <211> 210
 <212> Amino acid
 <213> Homo sapiens

<400> 802
 Ser Tyr Pro Val Trp Trp Asn Ser Pro Leu Thr Ala Glu Val Pro Pro
 1 5 10 15
 Glu Leu Leu Ala Ala Ala Gly Phe Phe His Thr Gly His Gln Asp Lys
 20 25 30
 Val Arg Cys Phe Phe Cys Tyr Gly Gly Leu Gln Ser Trp Lys Arg Gly
 35 40 45
 Asp Asp Pro Trp Thr Glu His Ala Lys Trp Phe Pro Ser Cys Gln Phe
 50 55 60
 Leu Leu Arg Ser Lys Gly Arg Asp Phe Val His Ser Val Gln Glu Thr
 65 70 75 80
 His Ser Gln Leu Leu Gly Ser Trp Asp Pro Trp Glu Glu Pro Glu Asp
 85 90 95
 Ala Ala Pro Val Ala Pro Ser Val Pro Ala Ser Gly Tyr Pro Glu Leu
 100 105 110
 Pro Thr Pro Arg Arg Glu Val Gln Ser Glu Ser Ala Gln Glu Pro Gly
 115 120 125
 Gly Val Ser Pro Ala Glu Ala Gln Arg Ala Trp Trp Val Leu Glu Pro
 130 135 140
 Pro Gly Ala Arg Asp Val Glu Ala Gln Leu Arg Arg Leu Gln Glu Glu
 145 150 155 160
 Arg Thr Cys Lys Val Cys Leu Asp Arg Ala Val Ser Ile Val Phe Val
 165 170 175
 Pro Cys Gly His Leu Val Cys Ala Glu Cys Ala Pro Gly Leu Gln Leu
 180 185 190
 Cys Pro Ile Cys Arg Ser Pro Cys Gly Pro Leu Arg Pro Cys Leu Trp
 195 200 205
 Val Pro
 210

<210> 803
 <211> 130
 <212>Amino acid
 <213> Homo sapiens

<400> 803
 Met Cys Ser Tyr Arg Glu Lys Lys Ala Glu Pro Gln Glu Leu Leu Gln
 1 5 10 15
 Leu Asp Gly Tyr Thr Val Asp Tyr Thr Asp Pro Gln Pro Gly Leu Glu
 20 25 30
 Gly Gly Arg Ala Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile
 35 40 45
 Phe Ala Ser Asp Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met
 50 55 60
 Tyr Arg Ala Thr Gly Gln Ser His Lys Pro Val Pro Pro Thr Gln Val
 65 70 75 80
 Gln Lys Leu Asn Ala Lys Gly Gly Asn Val Pro Gln Leu Asp Ala Pro
 85 90 95
 Ile Ser Gln Phe Tyr Ala Asp Arg Ala Gln Lys His Gly Met Asp Glu
 100 105 110
 Phe Ile Ser Ser Asn Pro Cys Asn Phe Asp His Ala Ser Leu Phe Glu
 115 120 125
 Met *
 129

<210> 804
 <211> 458
 <212>Amino acid
 <213> Homo sapiens

<400> 804
 Lys Gln Leu Ile Val Leu Gly Asn Lys Val Asp Leu Leu Pro Gln Asp
 1 5 10 15
 Ala Pro Gly Tyr Arg Gln Arg Leu Arg Glu Arg Leu Trp Glu Asp Cys
 20 25 30
 Ala Arg Ala Gly Leu Leu Leu Ala Pro Gly His Gln Gly Pro Gln Arg
 35 40 45
 Pro Val Lys Asp Glu Pro Gln Asp Gly Glu Asn Pro Asn Pro Pro Asn
 50 55 60
 Trp Ser Arg Thr Val Val Arg Asp Val Arg Leu Ile Ser Ala Lys Thr
 65 70 75 80
 Gly Tyr Gly Val Glu Glu Leu Ile Ser Ala Leu Gln Arg Ser Trp Arg
 85 90 95
 Tyr Arg Gly Asp Val Tyr Leu Val Gly Ala Thr Asn Ala Gly Lys Ser
 100 105 110
 Thr Leu Phe Asn Thr Leu Leu Glu Ser Asp Tyr Cys Thr Ala Lys Gly
 115 120 125
 Ser Glu Ala Ile Asp Arg Ala Thr Ile Ser Pro Trp Pro Gly Thr Thr
 130 135 140
 Leu Asn Leu Leu Lys Phe Pro Ile Cys Asn Pro Thr Pro Tyr Arg Met
 145 150 155 160
 Phe Lys Arg His Gln Arg Leu Lys Lys Asp Ser Thr Gln Ala Glu Glu
 165 170 175

Asp Leu Ser Glu Gln Glu Gln Asn Gln Leu Asn Val Leu Lys Lys His
 180 185 190
 Gly Tyr Val Val Gly Arg Val Gly Arg Thr Phe Leu Tyr Ser Glu Glu
 195 200 205
 Gln Lys Asp Asn Ile Pro Phe Glu Phe Asp Ala Asp Ser Leu Ala Phe
 210 215 220
 Asp Met Glu Asn Asp Pro Val Met Gly Thr His Lys Ser Thr Lys Gln
 225 230 235 240
 Val Glu Leu Thr Ala Gln Asp Val Lys Asp Ala His Trp Phe Tyr Asp
 245 250 255
 Thr Pro Gly Ile Thr Lys Glu Asn Cys Ile Leu Asn Leu Leu Thr Glu
 260 265 270
 Lys Glu Val Asn Ile Val Leu Pro Thr Gln Ser Ile Val Pro Arg Thr
 275 280 285
 Phe Val Leu Lys Pro Gly Met Val Leu Phe Leu Gly Ala Ile Gly Arg
 290 295 300
 Ile Asp Phe Leu Gln Gly Asn Gln Ser Ala Trp Phe Thr Val Val Ala
 305 310 315 320
 Ser Asn Ile Leu Pro Val His Ile Thr Ser Leu Asp Arg Ala Asp Ala
 325 330 335
 Leu Tyr Gln Lys His Ala Gly His Thr Leu Leu Gln Ile Pro Met Gly
 340 345 350
 Gly Lys Glu Arg Met Ala Gly Phe Pro Pro Leu Val Ala Glu Asp Ile
 355 360 365
 Met Leu Lys Glu Gly Leu Gly Ala Ser Glu Ala Val Ala Asp Ile Lys
 370 375 380
 Phe Ser Ser Ala Gly Trp Val Ser Val Thr Pro Asn Phe Lys Asp Arg
 385 390 395 400
 Leu His Leu Arg Gly Tyr Thr Pro Glu Gly Thr Val Leu Thr Val Arg
 405 410 415
 Pro Pro Leu Leu Pro Tyr Ile Val Asn Ile Lys Gly Gln Arg Ile Lys
 420 425 430
 Lys Ser Val Ala Tyr Lys Thr Lys Lys Pro Pro Ser Leu Met Tyr Asn
 435 440 445
 Val Arg Lys Lys Lys Gly Lys Ile Asn Val
 450 455 458

<210> 805
 <211> 290
 <212> Amino acid
 <213> Homo sapiens

<400> 805
 Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val Glu Cys Leu
 1 5 10 15
 Arg Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr Thr
 20 25 30
 Met Leu Val Ser Arg Asn Phe Ser Ala Ala Lys Ser Leu Leu Asn Lys
 35 40 45
 Lys Ser Asp Gly Gly Val Lys Pro Gln Ser Asn Asn Lys Asn Ser Leu
 50 55 60
 Val Ser Pro Ala Gln Glu Pro Ala Pro Leu Gln Thr Ala Met Glu Pro
 65 70 75 80
 Gln Thr Thr Val Val His Asn Ala Thr Asp Gly Ile Lys Gly Ser Thr
 85 90 95
 Glu Ser Cys Asn Thr Thr Thr Glu Asp Glu Asp Leu Lys Ala Ala Pro
 100 105 110
 Leu Arg Thr Gly Asn Gly Ser Ser Val Pro Glu Gly Arg Ser Ser Arg
 115 120 125

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Asp Arg Thr Ala Pro Ser Ala Gly Met Gln Pro Gln Pro Ser Leu Cys
 130          135          140
Ser Ser Ala Met Arg Lys Gln Glu Ile Ile Lys Ile Thr Glu Gln Leu
145          150          155          160
Ile Glu Ala Ile Asn Asn Gly Asp Phe Glu Ala Tyr Thr Lys Ile Cys
          165          170          175
Asp Pro Gly Leu Thr Ser Phe Glu Pro Glu Ala Leu Gly Asn Leu Val
          180          185          190
Glu Gly Met Asp Phe His Lys Phe Tyr Phe Glu Asn Leu Leu Ser Lys
          195          200          205
Asn Ser Lys Pro Ile His Thr Thr Ile Leu Asn Pro His Val His Val
          210          215          220
Ile Gly Glu Asp Ala Ala Cys Ile Ala Tyr Ile Arg Leu Thr Gln Tyr
225          230          235          240
Ile Asp Gly Gln Gly Arg Pro Ser Asn Pro Ala Lys Ser Glu Glu Thr
          245          250          255
Arg Val Trp His Arg Arg Asp Gly Lys Trp Leu Asn Val His Tyr His
          260          265          270
Cys Ser Gly Ala Pro Cys Pro His Arg Cys Ser Glu Leu Ser His Arg
          275          280          285
Gly Phe
 290

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<210> 806
<211> 570
<212>Amino acid
<213> Homo sapiens

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<400> 806
Leu Pro Lys Asn Val Val Phe Val Leu Asp Ser Ser Ala Ser Met Val
 1          5          10          15
Gly Thr Lys Leu Arg Gln Thr Lys Asp Ala Leu Phe Thr Ile Leu His
          20          25          30
Asp Leu Arg Pro Gln Asp Arg Phe Ser Ile Ile Gly Phe Ser Asn Arg
          35          40          45
Ile Lys Val Trp Lys Asp His Leu Ile Ser Val Thr Pro Asp Ser Ile
          50          55          60
Arg Asp Gly Lys Val Tyr Ile His His Met Ser Pro Thr Gly Gly Thr
          65          70          75          80
Asp Ile Asn Gly Ala Leu Gln Arg Ala Ile Arg Leu Leu Asn Lys Tyr
          85          90          95
Val Ala His Ser Gly Ile Gly Asp Arg Arg Val Ser Leu Ile Val Phe
          100          105          110
Leu Thr Asp Gly Lys Pro Thr Val Gly Glu Thr His Thr Leu Lys Ile
          115          120          125
Leu Asn Asn Thr Arg Glu Ala Ala Arg Gly Gln Val Cys Ile Phe Thr
          130          135          140
Ile Gly Ile Gly Asn Asp Val Asp Phe Arg Leu Leu Glu Lys Leu Ser
145          150          155          160
Leu Glu Asn Cys Gly Leu Thr Arg Arg Val His Glu Glu Glu Asp Ala
          165          170          175
Gly Ser Gln Leu Ile Gly Phe Tyr Asp Glu Ile Arg Thr Pro Leu Leu
          180          185          190
Ser Asp Ile Arg Ile Asp Tyr Pro Pro Ser Ser Val Val Gln Ala Thr
          195          200          205
Lys Thr Leu Phe Pro Asn Tyr Phe Asn Gly Ser Glu Ile Ile Ile Ala
          210          215          220
Gly Lys Leu Val Asp Arg Lys Leu Asp His Leu His Val Glu Val Thr
225          230          235          240

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Ala Ser Asn Ser Lys Lys Phe Ile Ile Leu Lys Thr Asp Val Pro Val
 245 250 255
 Arg Pro Gln Lys Ala Gly Lys Asp Val Thr Gly Ser Pro Arg Pro Gly
 260 265 270
 Gly Asp Gly Glu Gly Asp Thr Asn His Ile Glu Arg Leu Trp Ser Tyr
 275 280 285
 Leu Thr Thr Lys Glu Leu Leu Ser Ser Trp Leu Gln Ser Asp Asp Glu
 290 295 300
 Pro Glu Lys Glu Arg Leu Arg Gln Arg Ala Gln Ala Leu Ala Val Ser
 305 310 315 320
 Tyr Arg Phe Leu Thr Pro Phe Thr Ser Met Lys Leu Arg Gly Pro Val
 325 330 335
 Pro Arg Met Asp Gly Leu Glu Glu Ala His Gly Met Ser Ala Ala Met
 340 345 350
 Gly Pro Glu Pro Val Val Gln Ser Val Arg Gly Ala Gly Thr Gln Pro
 355 360 365
 Gly Pro Leu Leu Lys Lys Pro Tyr Gln Pro Arg Ile Lys Ile Ser Lys
 370 375 380
 Thr Ser Val Asp Gly Asp Pro His Phe Val Val Asp Phe Pro Leu Ser
 385 390 395 400
 Arg Leu Thr Val Cys Phe Asn Ile Asp Gly Gln Pro Gly Asp Ile Leu
 405 410 415
 Arg Leu Val Ser Asp His Arg Asp Ser Gly Val Thr Val Asn Gly Glu
 420 425 430
 Leu Ile Gly Ala Pro Ala Pro Pro Asn Gly His Lys Lys Gln Arg Thr
 435 440 445
 Tyr Leu Arg Thr Ile Thr Ile Leu Ile Asn Lys Pro Glu Arg Ser Tyr
 450 455 460
 Leu Glu Ile Thr Pro Ser Arg Val Ile Leu Asp Gly Gly Asp Arg Leu
 465 470 475 480
 Val Leu Pro Cys Asn Gln Ser Val Val Val Gly Ser Trp Gly Leu Glu
 485 490 495
 Val Ser Val Ser Ala Asn Ala Asn Val Thr Val Thr Ile Gln Gly Ser
 500 505 510
 Ile Ala Phe Val Ile Leu Ile His Leu Tyr Lys Lys Pro Ala Pro Phe
 515 520 525
 Gln Arg His His Leu Gly Phe Tyr Ile Ala Asn Ser Glu Gly Leu Ser
 530 535 540
 Ser Asn Cys Arg Val Phe Cys Glu Ser Gly Ile Leu Ile Gln Glu Leu
 545 550 555 560
 Thr Gln Gln Ser Val Ala Val Ala Gly Arg
 565 570

<210> 807
 <211> 279
 <212> Amino acid
 <213> Homo sapiens

<400> 807
 Phe Phe Leu Glu Gln Val Ser Gln Tyr Thr Phe Ala Met Cys Ser Tyr
 1 5 10 15
 Arg Glu Lys Lys Ser Glu Pro Gln Glu Leu Met Gln Leu Glu Gly Tyr
 20 25 30
 Thr Val Asp Tyr Thr Asp Pro His Pro Gly Leu Gln Gly Cys Met
 35 40 45
 Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile Phe Ala Ser Asp
 50 55 60
 Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met Tyr Arg Ala Thr
 65 70 75 80

Gly Gln Ser Tyr Lys Pro Val Pro Ala Ile Gln Thr Gln Lys Leu Asn
 85 90 95
 Pro Lys Gly Gly Thr Leu His Ala Asp Ala Gln Leu Tyr Ala Asp Arg
 100 105 110
 Phe Gln Lys His Gly Met Asp Glu Phe Ile Ser Ala Asn Pro Cys Lys
 115 120 125
 Leu Asp His Ala Phe Leu Phe Arg Ile Leu Gln Arg Gln Thr Leu Asp
 130 135 140
 His Arg Leu Asn Asp Ser Tyr Ser Cys Leu Gly Trp Phe Ser Pro Gly
 145 150 155 160
 Gln Val Phe Val Leu Asp Glu Tyr Cys Ala Arg Tyr Gly Val Arg Gly
 165 170 175
 Cys His Arg His Leu Cys Tyr Leu Ala Glu Leu Met Glu His Ser Glu
 180 185 190
 Asn Gly Ala Val Ile Asp Pro Thr Leu Leu His Tyr Ser Phe Ala Phe
 195 200 205
 Cys Ala Ser His Val His Gly Asn Arg Pro Asp Gly Ile Gly Thr Val
 210 215 220
 Ser Val Glu Glu Lys Glu Arg Phe Glu Glu Ile Lys Glu Arg Leu Ser
 225 230 235 240
 Ser Leu Leu Glu Asn Gln Ile Ser His Phe Arg Tyr Cys Phe Pro Phe
 245 250 255
 Gly Arg Pro Glu Gly Ala Leu Lys Ala Thr Leu Ser Leu Leu Glu Arg
 260 265 270
 Val Leu Met Lys Asp Ile Ala
 275 279

<210> 808

<211> 251

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(251)

<223> X = any amino acid or stop code

<400> 808

Asp Gly Leu Leu His Glu Val Leu Asn Gly Leu Leu Asp Arg Pro Asp
 1 5 10 15
 Trp Glu Glu Ala Val Lys Met Pro Val Gly Ile Leu Pro Cys Gly Ser
 20 25 30
 Gly Asn Ala Leu Ala Gly Ala Val Asn Gln His Gly Gly Phe Glu Pro
 35 40 45
 Ala Leu Gly Leu Asp Leu Leu Leu Asn Cys Ser Leu Leu Leu Cys Arg
 50 55 60
 Gly Gly Gly His Pro Leu Asp Leu Leu Ser Val Thr Leu Ala Ser Gly
 65 70 75 80
 Ser Arg Cys Phe Ser Phe Leu Ser Val Ala Trp Gly Phe Val Ser Asp
 85 90 95
 Val Asp Ile Gln Ser Glu Arg Phe Arg Ala Leu Gly Ser Ala Arg Phe
 100 105 110
 Thr Leu Gly Thr Val Leu Gly Leu Ala Thr Leu His Thr Tyr Arg Gly
 115 120 125
 Arg Leu Ser Tyr Leu Pro Ala Thr Val Glu Pro Ala Ser Pro Thr Pro
 130 135 140
 Ala His Ser Leu Pro Arg Ala Lys Ser Glu Leu Thr Leu Thr Pro Asp
 145 150 155 160
 Pro Ala Pro Pro Met Ala His Ser Pro Leu His Arg Ser Val Ser Asp

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                165                170                175
Leu Pro Leu Pro Leu Pro Gln Pro Ala Leu Ala Ser Pro Gly Ser Pro
                180                185                190
Glu Pro Leu Pro Ile Leu Ser Leu Asn Gly Gly Gly Pro Glu Leu Ala
                195                200                205
Gly Asp Trp Gly Gly Ala Gly Asp Ala Pro Leu Ser Pro Asp Pro Gln
                210                215                220
Leu Ser Ser Pro Pro Gly Ser Pro Lys Ala Ala Leu His Ser Pro Val
                225                230                235                240
Xaa Lys Lys Ala Pro Val Ile Pro Pro Asp Met
                245                250 251

```

<210> 809
 <211> 174
 <212>Amino acid
 <213> Homo sapiens

```

    <400> 809
Lys Gly Val Pro Thr Leu Leu Met Ala Ala Gly Ser Phe Tyr Asp Ile
  1          5          10          15
Leu Ala Ile Thr Gly Phe Asn Thr Cys Leu Gly Ile Ala Phe Ser Thr
          20          25          30
Gly Ser Thr Val Phe Asn Val Leu Arg Gly Val Leu Glu Val Val Ile
          35          40          45
Gly Val Ala Thr Gly Ser Val Leu Gly Phe Phe Ile Gln Tyr Phe Pro
          50          55          60
Ser Arg Asp Gln Asp Lys Leu Val Cys Lys Arg Thr Phe Leu Val Leu
          65          70          75          80
Gly Leu Ser Val Leu Ala Val Phe Ser Ser Val His Phe Gly Phe Pro
          85          90          95
Gly Ser Gly Gly Leu Cys Thr Leu Val Met Ala Phe Leu Ala Gly Met
          100         105         110
Gly Trp Thr Ser Glu Lys Ala Glu Val Glu Lys Ile Ile Ala Val Ala
          115         120         125
Trp Asp Ile Phe Gln Pro Leu Leu Phe Gly Leu Ile Gly Ala Glu Val
          130         135         140
Ser Ile Ser Ser Leu Arg Pro Glu Thr Val Gly Leu Cys Val Ala Thr
          145         150         155         160
Val Gly Ile Ala Val Leu Ile Arg Ile Phe Asp Tyr Ile Phe
          165         170         174

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<210> 810
 <211> 104
 <212>Amino acid
 <213> Homo sapiens

```

    <400> 810
Leu Leu Lys Glu Val Val Val Gln Ala Ser Pro Val Cys Lys Thr Cys
  1          5          10          15
Cys Ser Gln Leu Val Arg Thr Pro Val Thr Phe Thr Glu Val Gln Asn
          20          25          30
Val Cys Arg Cys Ser Ala Gly Tyr Leu Ile Ser Val Cys Ser Tyr Thr
          35          40          45
Ser Ser Asp His Asn Gln Cys Tyr Ala Gly Thr Ala Ser Leu Ala Leu

```

```

      50              55              60
Leu Trp Ile Gly Gly Ile Leu Lys Gly Cys Leu Leu Trp Lys Gln Phe
  65              70              75              80
Arg Trp Thr Glu Arg Ser His Trp Asn Phe Gly Tyr Trp Ala Leu Trp
      85              90              95
Ser Pro Gly Asn Gly Asn Gly Cys
      100              104

```

<210> 811
 <211> 77
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 811
Ile Cys Thr Ser Thr Tyr Leu Gln Ile Phe Pro Gly Lys Pro Ser Cys
  1              5              10              15
Phe Met Cys Lys Gly Arg Leu Met Cys Ile Tyr Phe Ile Leu Trp Tyr
      20              25              30
Leu Gly His Tyr Thr Ser Leu His Trp Asn Trp Cys Arg Tyr Ile Ser
      35              40              45
Asp Pro Asn Val Asp Ala Cys Pro Asp Pro Arg Asn Ala Glu Val Ser
      50              55              60
Met Thr His Thr Val Pro Ala Leu Met Glu Leu Ile Asp
      65              70              75              77

```

<210> 812
 <211> 194
 <212> Amino acid
 <213> Homo sapiens

```

      <400> 812
Leu Glu Ser Leu Pro Gly Phe Lys Glu Ile Val Ser Arg Gly Val Lys
  1              5              10              15
Val Asp Tyr Leu Thr Pro Asp Phe Pro Ser Leu Ser Tyr Pro Asn Tyr
      20              25              30
Tyr Thr Leu Met Thr Gly Arg His Cys Glu Val His Gln Met Ile Gly
      35              40              45
Asn Tyr Met Trp Asp Pro Thr Thr Asn Lys Ser Phe Asp Ile Gly Val
      50              55              60
Asn Lys Asp Ser Leu Met Pro Leu Trp Trp Asn Gly Ser Glu Pro Leu
      65              70              75              80
Trp Val Thr Leu Thr Lys Ala Lys Arg Lys Val Tyr Met Tyr Tyr Trp
      85              90              95
Pro Gly Cys Glu Val Glu Ile Leu Gly Val Arg Pro Thr Tyr Cys Leu
      100              105              110
Glu Tyr Lys Asn Val Pro Thr Asp Ile Asn Phe Ala Asn Ala Val Ser
      115              120              125
Asp Ala Leu Asp Ser Phe Lys Ser Gly Arg Ala Asp Leu Ala Ala Ile
      130              135              140
Tyr His Glu Arg Ile Asp Val Glu Gly His His Tyr Gly Pro Ala Ser
      145              150              155              160
Pro Gln Arg Lys Asp Ala Leu Lys Ala Val Asp Thr Val Leu Lys Tyr
      165              170              175
Met Thr Lys Trp Ile Gln Glu Arg Gly Leu Gln Asp Arg Leu Asn Val

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Ile Ile 180 185 190
194

<210> 813
<211> 116
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(116)
<223> X = any amino acid or stop code

<400> 813
Ala Arg Asp Phe His Pro Lys Gln Thr Leu Asp Phe Leu Arg Ser Asp
1 5 10 15
Met Ala Asn Ser Lys Ile Thr Glu Glu Val Lys Arg Ser Ile Ala Gln
20 25 30
Gln Tyr Leu Asp Leu Thr Val Ala Leu Glu Gln Val Asp Pro Asp Ala
35 40 45
Glu Val Asp Ala Ala Pro Ser Thr Thr Ser Ser Cys Gly His Xaa Asp
50 55 60
Ser His Ala Gly Ser Xaa Arg Val Leu Ser Leu Leu Gly Asp Xaa Gly
65 70 75 80
Pro Ala Xaa Thr Gly Ala Asn Ser Met Ala Gly Lys Leu Leu Leu Val
85 90 95
Ala Trp Leu Gly Phe Pro Asp Pro Phe Trp Gly Lys Glu Leu Ser Asp
100 105 110
Pro Ala Phe Lys
115 116

<210> 814
<211> 121
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> X = any amino acid or stop code

<400> 814
Lys Gln Ser Gly Asp Val Thr Cys Asn Cys Thr Asp Gly Arg Leu Ala
1 5 10 15
Pro Ser Cys Leu Thr Cys Val Gly His Cys Ile Phe Gly Gly Tyr Cys
20 25 30
Thr Met Asn Ser Lys Met Met Pro Glu Cys Gln Ser Pro Pro His Met
35 40 45
Thr Gly Pro Arg Cys Glu Glu His Val Phe Ser Gln His Gln Pro Gly
50 55 60
His Ile Thr Ser Ile Leu Ile Pro Met Leu Xaa Leu Leu Leu Leu Val
65 70 75 80
Leu Val Ala Gly Val Ile Phe Cys His Lys Arg Arg Val Gln Gly Ala

```

      85      90      95
Lys Gly Phe Gln His Gln Arg Met Thr Asn Gly Ala Met Asn Ala Gln
      100      105      110
Ile Ala Asn Pro Thr Tyr Lys Met Tyr
      115      120 121

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<210> 815
<211> 86
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(86)
<223> X = any amino acid or stop code

```

```

<400> 815
Thr Val Glu Asn Ala Gly Arg Trp Leu Xaa Glu Glu Ala Glu Ile Gln
.1      5      10      15
Ala Glu Leu Glu Arg Leu Glu Arg Val Arg Asn Leu His Ile Arg Glu
      20      25      30
Leu Lys Arg Ile Asn Asn Glu Asp Asn Ser Gln Phe Lys Asp His Pro
      35      40      45
Thr Leu Asn Glu Arg Tyr Leu Leu Leu His Leu Leu Gly Arg Gly Gly
      50      55      60
Phe Ser Glu Val Tyr Lys Val Met Tyr Gly Leu Phe Trp Phe Phe Tyr
      65      70      75      80
Thr Asn Val Ala Arg Ile
      85 86

```

```

<210> 816
<211> 130
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> X = any amino acid or stop code

```

```

<400> 816
Met Cys Glu Glu Phe Leu Val Met Gly Lys Gly Cys Ser Cys Val Phe
1      5      10      15
Xaa Ile Leu Leu Ser Asn Pro Gln Met Trp Trp Leu Asn Asp Ser Asn
      20      25      30
Pro Glu Thr Asp Asn Arg Gln Glu Ser Pro Ser Gln Glu Asn Ile Asp
      35      40      45
Arg Val Ser Asp Met Ala Phe Val Pro Ser Ala Trp Thr Ala Ser Gly
      50      55      60
Gly Val Ala Trp Gly Asn Leu Gly Glu Ser Gly Ser Arg Thr Gly Gly
      65      70      75      80
Val Arg Ala Glu Thr Leu Ala Pro Arg Leu Gln Val Xaa Pro Ala His
      85      90      95
Leu Arg Gly His Pro Arg Ser Asn Arg Gly Gln Gly Arg Pro Pro Trp

```

```

          100          105          110
Lys Ala Gly Lys Leu Gly Lys Cys Gln Glu Val Leu Phe Arg Phe Ala
          115          120          125
Ala Phe
          130

```

```

<210> 817
<211> 119
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(119)
<223> X = any amino acid or stop code

```

```

<400> 817
Phe Arg Ala Met Phe Leu Ala Val Gln His Asp Cys Arg Pro Met Asp
 1          5          10          15
Lys Ser Ala Gly Ser Gly His Lys Ser Glu Glu Lys Arg Glu Lys Met
          20          25          30
Lys Arg Thr Leu Leu Lys Asp Trp Lys Thr Arg Leu Ser Tyr Phe Leu
          35          40          45
Gln Asn Ser Ser Thr Pro Gly Lys Pro Lys Thr Gly Lys Lys Ser Lys
          50          55          60
Gln Gln Ala Phe Ile Lys Xaa Val Glu Asn Pro Glu Leu Ala Asn Ile
          65          70          75          80
Asn Ser Xaa Leu Leu Asn Xaa Lys Gly Glu Leu Xaa Xaa Ala Xaa Ala
          85          90          95
Asn Ile Gln Asn Leu Ser Cys Arg Pro Ser Pro Glu Glu Ala Gln Leu
          100          105          110
Trp Ser Glu Ala Phe Asp Glu
          115          119

```

```

<210> 818
<211> 131
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> X = any amino acid or stop code

```

```

<400> 818
Gly Phe Phe Asn Phe Ser Ser Pro Lys Leu Lys Gly Trp Lys Ile Asn
 1          5          10          15
Ser Ser Leu Val Leu Glu Ile Arg Lys Asn Ile Leu Arg Phe Leu Asp
          20          25          30
Ala Glu Arg Asp Val Ser Val Val Lys Ser Ser Phe Pro Ser Lys Asp
          35          40          45
Ala Arg His Ser Ser Val His Arg Xaa Phe Thr Gln Leu His Trp Gly
          50          55          60
Pro Pro Ser His Thr Pro Ala Arg Pro Xaa Arg Gly Phe Phe Asn Phe

```

```

      65              70              75              80
Ser Ser Pro Lys Leu Lys Gly Trp Lys Ile Asn Ser Ser Leu Val Leu
      85              90              95
Glu Ile Arg Lys Asn Ile Leu Arg Phe Leu Asp Ala Glu Arg Asp Val
      100             105             110
Ser Val Val Lys Ser Ser Phe Pro Ser Lys Asp Ala Arg His Ser Ser
      115             120             125
Val His Arg
      130 131

```

<210> 819

<211> 85

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(85)

<223> X = any amino acid or stop code

```

      <400> 819
Arg Ile Asp Asp Gln Gln Glu Leu Lys Arg Val Thr Xaa Tyr Ser Gln
  1              5              10              15
Lys Glu Tyr Thr Lys Lys Lys Leu His Lys Lys Cys Asn Ile Ile Gln
      20              25              30
Ala Asp Ile Lys Pro Asp Asn Ile Leu Asp Asn Glu Ser Ile Thr Ile
      35              40              45
Leu Lys Leu Ser Asp Phe Gly Ser Ala Ser His Val Ala Asp Asn Asp
      50              55              60
Ile Thr Pro Ser Ser Ser Gln Thr Thr Ser Ala Ala Ser Ser Pro Pro
      65              70              75              80
Arg Thr Leu Arg Arg
      85

```

<210> 820

<211> 44

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(44)

<223> X = any amino acid or stop code

```

      <400> 820
Ser Ser Lys Pro Trp Asp Xaa Ser Leu Ala Pro Lys His Ser Gly Xaa
  1              5              10              15
Thr Lys Asn Met Asp Cys Tyr Cys Ile Ile Pro Thr Cys Ile Gly Arg
      20              25              30
Glu Arg Cys Tyr Gly Thr Cys Ile Gly Asp Thr Val
      35              40              44

```

<210> 821

<211> 105
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(105)
 <223> X = any amino acid or stop code

<400> 821
 Asn Ser Ser Lys Lys Leu Val Met Glu His Gln Trp Lys Lys Tyr Leu
 1 5 10 15
 Arg Arg Asn Tyr Gln Arg Met Leu Asn Arg Leu Ile Thr Leu Ile Gly
 20 25 30
 Ser Cys Gly Val Leu Xaa Leu Ile Ser Thr Ile Pro Thr Ser Arg Leu
 35 40 45
 Lys Phe Leu Lys Glu Thr Gly His Gly Thr Pro Met Glu Glu Ile Pro
 50 55 60
 Glu Glu Glu Leu Ser Glu Asp Val Glu Gln Ile Asp His Ala Asp Arg
 65 70 75 80
 Glu Leu Arg Arg Gly Gln Asn Leu Arg Cys Lys Gly Ile His Arg Leu
 85 90 95
 Pro Thr His Ile Gln Val Gly Gln Asn
 100 105

<210> 822
 <211> 172
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(172)
 <223> X = any amino acid or stop code

<400> 822
 Lys Trp Met Leu Leu His Ser Phe Lys Ile Phe Cys Leu Ser Leu Tyr
 1 5 10 15
 Pro Gln Leu Xaa Cys Pro Phe Glu Phe Phe Ser His Ser Ala Thr Ile
 20 25 30
 Phe His Glu Leu Val Tyr Lys Gln Thr Lys Ile Ile Ser Ser Asn Gln
 35 40 45
 Glu Leu Ile Tyr Glu Gly Arg Arg Leu Val Leu Glu Pro Gly Arg Leu
 50 55 60
 Ala Gln His Phe Pro Lys Thr Thr Glu Glu Asn Pro Ile Phe Val Val
 65 70 75 80
 Ser Arg Glu Pro Leu Asn Thr Ile Gly Leu Ile Tyr Glu Lys Ile Ser
 85 90 95
 Leu Pro Lys Val His Pro Arg Tyr Asp Leu Asp Gly Asp Ala Ser Met
 100 105 110
 Ala Lys Ala Ile Thr Gly Val Val Cys Tyr Ala Cys Arg Ile Ala Ser
 115 120 125
 Thr Leu Leu Leu Tyr Gln Glu Leu Met Arg Lys Gly Ile Arg Trp Leu
 130 135 140
 Ile Glu Leu Ile Lys Asp Asp Tyr Asn Glu Thr Val His Lys Lys Thr

145 150 155 160
Glu Val Val Ile Thr Leu Gly Phe Leu Val Ser Arg
 165 170 172

```
<210> 823
<211> 104
<212> Amino acid
<213> Homo sapiens

<220> .
<221> misc_feature
<222> (1)...(104)
<223> X = any amino acid or stop code
```

<400> 823															
Gly	Thr	Arg	Lys	Met	Gly	Pro	Thr	Val	Ser	Pro	Ile	Cys	Leu	Pro	Gly
1				5					10					15	
Thr	Trp	Gly	Asp	Tyr	Asn	Leu	Met	Asp	Gly	Asp	Leu	Gly	Leu	Ile	Ser
			20					25					30		
Gly	Trp	Gly	Arg	Thr	Glu	Lys	Arg	Asp	Arg	Ala	Asp	Arg	Leu	Lys	Ala
		35				40						45			
Gly	Arg	Ser	Pro	Ala	Ala	Gly	Xaa	Arg	Lys	Trp	Glu	Pro	Gly	Arg	Gly
	50					55					60				
Asp	Pro	Thr	Trp	Glu	Glu	Ser	Glu	Glu	Asp	Val	His	Lys	Ser	Lys	Trp
65				70						75				80	
Thr	Arg	Cys	Val	Asp	Glu	Lys	Gly	Ala	Xaa	Cys	Xaa	Thr	Asp	Asn	Lys
				85					90					95	
Arg	Pro	Leu	Arg	Cys	Gly	Val	Thr								
		100					104								

```
<210> 824
<211> 99
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(99)
<223> X = any amino acid or stop code
```

[illegible]

99

<210> 825
 <211> 111
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(111)
 <223> X = any amino acid or stop code

<400> 825
 Pro Val Pro Leu Pro His Pro Ile Leu Glu Val Cys Pro Gly Gln Xaa
 1 5 10 15
 Glu Pro Gln Ser Ala Ile Ser Leu Thr Ala Phe Gln Val Gln Ala Gly
 20 25 30
 Ala Ser Arg Ala Ser Pro Gly Pro Pro Ala Pro Ser Ser Ser Lys Pro
 35 40 45
 Gly Arg Lys Ala Lys Val Ala Ser Pro Cys Pro Asp Arg Pro Ala Pro
 50 55 60
 Pro Pro Thr Xaa Pro Arg Pro Ala Ala Ala Pro Gly Ser Glu Ser Ser
 65 70 75 80
 Pro Arg Pro Pro Arg Pro Arg Thr Gly Arg Arg Gln Gln Arg Ala His
 85 90 95
 Ala Arg Arg Ala Ala Ala Arg Thr Ala Pro Trp Arg Pro Ser Cys
 100 105 110 111

<210> 826
 <211> 95
 <212>Amino acid
 <213> Homo sapiens

<400> 826
 His Glu Gly Arg Arg Arg Gly Trp Ala Ser Ala Ser Gln Arg Phe Leu
 1 5 10 15
 Arg Asn Trp Ala Phe Leu Thr Pro Ser Lys Val Arg Arg Leu Lys Gly
 20 25 30
 Gln Lys Ala Phe Gly Lys Leu Pro Ser His Ser Asp Thr Ser Leu Thr
 35 40 45
 Ser Asp Leu Gly Phe His His Arg Phe Asn Pro Asn Ala Ser Ser Ser
 50 55 60
 Phe Lys Pro Ser Gly Thr Lys Phe Ala Ile Gln Tyr Gly Thr Gly Arg
 65 70 75 80
 Val Asp Gly Ile Leu Ser Glu Asp Lys Leu Thr Val Ser Gly Leu
 85 90 95

<210> 827
 <211> 33
 <212>Amino acid
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(33)
 <223> X = any amino acid or stop code

<400> 827
 Gly Arg Asn Ile Met His Tyr Pro Asn Gly His Ala Ile Cys Ile Ala
 1 5 10 15
 Asn Gly His Cys Ile Ile Leu Xaa Asn Ser His Asn Ile Lys Val Trp
 20 25 30
 Val
 33

<210> 828
 <211> 178
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(178)
 <223> X = any amino acid or stop code

<400> 828
 Ile Asn Leu Gly Asn Thr Cys Tyr Met Asn Ser Val Ile Xaa Ala Leu
 1 5 10 15
 Phe Met Ala Thr Asp Phe Arg Arg Gln Val Leu Ser Leu Asn Leu Asn
 20 25 30
 Gly Cys Asn Ser Leu Met Lys Lys Leu Gln His Leu Phe Ala Phe Leu
 35 40 45
 Ala His Thr Gln Arg Glu Ala Tyr Ala Pro Arg Ile Phe Phe Glu Ala
 50 55 60
 Ser Arg Pro Pro Trp Phe Thr Pro Arg Ser Gln Gln Asp Cys Ser Glu
 65 70 75 80
 Tyr Leu Arg Phe Leu Asp Arg Leu His Glu Glu Glu Lys Ile Leu
 85 90 95
 Lys Val Gln Ala Ser His Lys Pro Ser Glu Ile Leu Glu Cys Ser Glu
 100 105 110
 Thr Ser Leu Gln Glu Val Ala Ser Lys Ala Ala Val Leu Thr Glu Thr
 115 120 125
 Pro Arg Thr Ser Asp Gly Glu Lys Thr Leu Ile Glu Lys Met Phe Gly
 130 135 140
 Gly Lys Leu Arg Thr His Ile Arg Cys Leu Asn Cys Thr Ser Thr Ser
 145 150 155 160
 Gln Lys Val Glu Ala Phe Thr Asp Leu Ser Leu Ala Phe Trp Pro Ser
 165 170 175
 Ser Ser
 178

<210> 829
 <211> 43
 <212>Amino acid
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(43)
 <223> X = any amino acid or stop code

<400> 829
 Ala Arg Asp Asp Pro Arg Val Arg Leu Ser Leu Ser Pro Asn Phe Phe
 1 5 10 15
 Xaa Leu Ala Ser Lys Leu Gly Lys Gln Trp Thr Pro Leu Ile Ile Leu
 20 25 30
 Ala Asn Ser Leu Ser Gly Thr Asn Met Gly Glu
 35 40 43

<210> 830
 <211> 259
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> X = any amino acid or stop code

<400> 830
 Met His Arg Ile Lys Leu Asn Asp Arg Met Thr Phe Pro Glu Glu Leu
 1 5 10 15
 Asp Met Ser Thr Phe Ile Asp Val Glu Asp Glu Lys Ser Pro Gln Thr
 20 25 30
 Glu Ser Cys Thr Asp Ser Gly Ala Glu Asn Glu Gly Ser Cys His Ser
 35 40 45
 Asp Gln Met Ser Asn Asp Phe Ser Asn Asp Asp Gly Val Asp Glu Gly
 50 55 60
 Ile Cys Leu Glu Thr Asn Ser Gly Thr Glu Lys Ile Ser Lys Ser Gly
 65 70 75 80
 Leu Glu Lys Asn Ser Leu Ile Tyr Glu Leu Phe Ser Val Met Val His
 85 90 95
 Ser Gly Ser Ala Ala Gly Gly His Tyr Tyr Ala Cys Ile Lys Ser Phe
 100 105 110
 Ser Asp Glu Gln Trp Tyr Ser Phe Asn Asp Gln His Val Ser Arg Ile
 115 120 125
 Thr Gln Glu Asp Ile Lys Lys Thr His Gly Gly Ser Ser Gly Ser Arg
 130 135 140
 Gly Tyr Tyr Ser Ser Ala Phe Ala Ser Ser Thr Asn Ala Tyr Met Leu
 145 150 155 160
 Ile Tyr Arg Leu Lys Asp Pro Ala Arg Asn Ala Lys Phe Leu Glu Val
 165 170 175
 Asp Glu Tyr Pro Glu His Ile Lys Asn Leu Val Gln Lys Glu Arg Glu
 180 185 190
 Leu Glu Glu Gln Glu Lys Arg Gln Arg Glu Ile Glu Arg Asn Thr Cys
 195 200 205
 Lys Ile Lys Leu Phe Cys Leu His Pro Thr Lys Gln Val Met Met Glu
 210 215 220
 Asp Xaa Ile Glu Val His Lys Asp Lys Thr Leu Lys Glu Ala Val Glu
 225 230 235 240
 Met Ala Tyr Lys Met Met Asp Leu Glu Glu Val Ile Pro Leu Asp Cys
 245 250 255

Cys Arg Leu
259

<210> 831
<211> 200
<212>Amino acid
<213> Homo sapiens

<400> 831
Ser Val Met Pro Val Pro Ala Leu Cys Leu Leu Trp Ala Leu Ala Met
1 5 10 15
Val Thr Arg Pro Ala Ser Ala Ala Pro Met Gly Gly Pro Glu Leu Ala
20 25 30
Gln His Glu Glu Leu Thr Leu Leu Phe His Gly Thr Leu Gln Leu Gly
35 40 45
Gln Ala Leu Asn Gly Val Tyr Arg Thr Thr Glu Gly Arg Leu Thr Lys
50 55 60
Ala Arg Asn Ser Leu Gly Leu Tyr Gly Arg Thr Ile Glu Leu Leu Gly
65 70 75 80
Gln Glu Val Ser Arg Gly Arg Asp Ala Ala Gln Glu Leu Arg Ala Ser
85 90 95
Leu Leu Glu Thr Gln Met Glu Glu Asp Ile Leu Gln Leu Gln Ala Glu
100 105 110
Ala Thr Ala Glu Val Leu Gly Glu Val Ala Gln Ala Gln Lys Val Leu
115 120 125
Arg Asp Ser Val Gln Arg Leu Glu Val Gln Leu Arg Ser Ala Trp Leu
130 135 140
Gly Pro Ala Tyr Arg Glu Phe Glu Val Leu Lys Ala His Ala Asp Lys
145 150 155 160
Gln Ser His Ile Leu Trp Ala Leu Thr Gly His Val Gln Arg Gln Arg
165 170 175
Arg Glu Met Val Ala Gln Gln His Arg Leu Arg Gln Ile Gln Glu Arg
180 185 190
Leu His Thr Ala Ala Leu Pro Ala
195 200

<210> 832
<211> 225
<212>Amino acid
<213> Homo sapiens

<400> 832
Ile Thr Ser Val Asp Pro Arg Val Arg Gly Asn Ala Ser Thr Gly Tyr
1 5 10 15
Gly Lys Ile Trp Leu Asp Asp Val Ser Cys Asp Gly Asp Glu Ser Asp
20 25 30
Leu Trp Ser Cys Arg Asn Ser Gly Trp Gly Asn Asn Asp Cys Ser His
35 40 45
Ser Glu Asp Val Gly Val Ile Cys Ser Asp Ala Ser Asp Met Glu Leu
50 55 60
Arg Leu Val Gly Gly Ser Ser Arg Cys Ala Gly Lys Val Glu Val Asn
65 70 75 80
Val Gln Gly Ala Val Gly Ile Leu Cys Ala Asn Gly Trp Gly Met Asn
85 90 95

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Ile Ala Glu Val Val Cys Arg Gln Leu Glu Cys Gly Ser Ala Ile Arg
      100      105      110
Val Ser Arg Glu Pro His Phe Thr Glu Arg Thr Leu His Ile Leu Met
      115      120      125
Ser Asn Ser Gly Cys Ala Gly Gly Glu Ala Ser Leu Trp Asp Cys Ile
      130      135      140
Arg Trp Glu Trp Lys Gln Thr Ala Cys His Leu Asn Met Glu Ala Ser
      145      150      155      160
Leu Ile Cys Ser Ala His Arg Gln Pro Arg Leu Val Gly Ala Asp Met
      165      170      175
Pro Cys Ser Gly Arg Val Glu Val Lys His Ala His Thr Trp Arg Ser
      180      185      190
Val Cys Asp Ser Asp Phe Ser Leu His Ala Ala Asn Val Leu Cys Arg
      195      200      205
Glu Leu Asn Cys Gly Asp Ala Ile Ser Leu Ser Val Gly Asp His Phe
      210      215      220
Gly
225

```

```

<210> 833
<211> 206
<212>Amino acid
<213> Homo sapiens

```

```

      <400> 833
Ser Asn Tyr Pro Ser Ser Arg Phe Arg Val Ala Gly Ile Thr Gly Val
  1      5      10      15
Lys Leu Gly Met Arg Ser Ile Pro Ile Ala Thr Ala Cys Thr Ile Tyr
      20      25      30
His Lys Phe Cys Glu Thr Asn Leu Asp Ala Tyr Asp Pro Tyr Leu
      35      40      45
Ile Ala Met Ser Ser Ile Tyr Leu Ala Gly Lys Val Glu Glu Gln His
      50      55      60
Leu Arg Thr Arg Asp Ile Ile Asn Val Ser Asn Arg Tyr Phe Asn Pro
      65      70      75      80
Ser Gly Glu Pro Leu Glu Leu Asp Ser Arg Phe Trp Glu Leu Arg Asp
      85      90      95
Ser Ile Val Gln Cys Glu Leu Leu Met Leu Arg Val Leu Arg Phe Gln
      100      105      110
Val Ser Phe Gln His Pro His Lys Tyr Leu Leu His Tyr Leu Val Ser
      115      120      125
Leu Gln Asn Trp Leu Asn Arg His Ser Trp Gln Arg Thr Pro Val Ala
      130      135      140
Val Thr Ala Trp Ala Leu Leu Arg Asp Ser Tyr His Gly Ala Leu Cys
      145      150      155      160
Leu Arg Phe Gln Ala Gln His Ile Ala Val Ala Val Leu Tyr Leu Ala
      165      170      175
Leu Gln Val Tyr Gly Val Glu Val Pro Ala Glu Val Glu Ala Asp Glu
      180      185      190
Ala Val Gly Trp Gln Ile Tyr Ala Met Asp Thr Glu Ile Pro
      195      200      205 206

```

```

<210> 834
<211> 86
<212>Amino acid
<213> Homo sapiens

```

<400> 834
 Arg Gly Ser Arg His Ala Val His Gly Trp Ala Phe Gly Leu Leu Phe
 1 5 10 15
 Ile Asn Lys Glu Ser Val Val Met Ala Tyr Leu Phe Thr Thr Phe Asn
 20 25 30
 Ala Phe Gln Gly Val Phe Ile Phe Val Phe His Cys Ala Leu Gln Lys
 35 40 45
 Lys Val Arg Ser Arg Arg Gly Pro Gly Ser Gln Pro Pro Leu Glu Thr
 50 55 60
 Phe Pro Gly Tyr Pro Gly Glu Gly Gly Glu Gly Gly Asp Ser Gly
 65 70 75 80
 Ala Pro Ser Ser Pro Gln
 85 86

<210> 835
 <211> 110
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(110)
 <223> X = any amino acid or stop code

<400> 835
 Ala Arg Lys Asp Asp Leu Pro Pro Asn Met Arg Phe His Glu Glu Lys
 1 5 10 15
 Arg Leu Asp Phe Glu Trp Thr Leu Lys Ala Gly Xaa Glu Lys Gly Xaa
 20 25 30
 Pro Ser Lys Xaa Asn Lys Gly Trp Glu Gly Gln Glu Xaa Xaa Xaa Thr
 35 40 45
 Val Arg Asp Xaa Gly Ile Ser Xaa Xaa Val Lys Pro Gln His Leu Ser
 50 55 60
 Xaa Ala Leu Gln Met Ala Leu Lys Arg Val Tyr Thr Leu Leu Ser Ser
 65 70 75 80
 Trp Asn Cys Leu Glu Asp Phe Asp Gln Ile Phe Trp Gly Gln Lys Ser
 85 90 95
 Ala Leu Ala Gly Gln Trp Phe Pro Glu Val Ser Ile Ile Pro
 100 105 110

<210> 836
 <211> 70
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(70)
 <223> X = any amino acid or stop code

<400> 836

Gly Lys Gln Gln Arg Glu Thr Leu Arg Arg Pro Ser Pro Thr Ile Ser
 1 5 10 15
 Val Gln Arg Ala Gly Ser Pro Glu His Ser Ser Ala Ser His Xaa His
 20 25 30
 Ser Pro Cys Pro Ala Pro Gly Gln Arg Val Leu Pro Thr Ala Leu Cys
 35 40 45
 Thr Leu Met Thr Ser Lys His Phe His Gly Cys Pro Leu Ala Gly Gln
 50 55 60
 Gly Arg Ala Val Thr Leu
 65 70

<210> 837

<211> 473

<212> Amino acid

<213> Homo sapiens

<400> 837

Gly Val Cys Gly Leu Pro Arg Phe Cys Gly Ser Ile Ile Leu Cys His
 1 5 10 15
 Tyr Glu Met Ser Ser Leu Gly Ala Ser Phe Val Gln Ile Lys Phe Asp
 20 25 30
 Asp Leu Gln Phe Phe Glu Asn Cys Gly Gly Gly Ser Phe Gly Ser Val
 35 40 45
 Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys Glu Val Ala Val Lys Lys
 50 55 60
 Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile Leu Ser Val Leu Ser His
 65 70 75 80
 Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile Leu Glu Pro Pro Asn Tyr
 85 90 95
 Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly Ser Leu Tyr Asp Tyr Ile
 100 105 110
 Asn Ser Asn Arg Ser Glu Glu Met Asp Met Asp His Ile Met Thr Trp
 115 120 125
 Ala Thr Asp Val Ala Lys Gly Met His Tyr Leu His Met Glu Ala Pro
 130 135 140
 Val Lys Val Ile His Arg Asp Leu Lys Ser Arg Asn Val Val Ile Ala
 145 150 155 160
 Ala Asp Gly Val Leu Lys Ile Cys Asp Phe Gly Ala Ser Arg Phe His
 165 170 175
 Asn His Thr Thr His Met Ser Leu Val Gly Thr Phe Pro Trp Met Ala
 180 185 190
 Pro Glu Val Ile Gln Ser Leu Pro Val Ser Glu Thr Cys Asp Thr Tyr
 195 200 205
 Ser Tyr Gly Val Val Leu Trp Glu Met Leu Thr Arg Glu Val Pro Phe
 210 215 220
 Lys Gly Leu Glu Gly Leu Gln Val Ala Trp Leu Val Val Glu Lys Asn
 225 230 235 240
 Glu Arg Leu Thr Ile Pro Ser Ser Cys Pro Arg Ser Phe Ala Glu Leu
 245 250 255
 Leu His Gln Cys Trp Glu Ala Asp Ala Lys Lys Arg Pro Ser Phe Lys
 260 265 270
 Gln Ile Ile Ser Ile Leu Glu Ser Met Ser Asn Asp Thr Ser Leu Pro
 275 280 285
 Asp Lys Cys Asn Ser Phe Leu His Asn Lys Ala Glu Trp Arg Cys Glu
 290 295 300
 Ile Glu Ala Thr Leu Glu Arg Leu Lys Lys Leu Glu Arg Asp Leu Ser
 305 310 315 320
 Phe Lys Glu Gln Glu Leu Lys Glu Arg Glu Arg Arg Leu Lys Met Trp
 325 330 335

Glu Gln Lys Leu Thr Glu Gln Ser Asn Thr Pro Leu Leu Leu Pro Leu
 340 345 350
 Ala Ala Arg Met Ser Glu Glu Ser Tyr Phe Glu Ser Lys Thr Glu Glu
 355 360 365
 Ser Asn Ser Ala Glu Met Ser Cys Gln Ile Thr Ala Thr Ser Asn Gly
 370 375 380
 Glu Gly His Gly Met Asn Pro Ser Leu Gln Ala Met Met Leu Met Gly
 385 390 395 400
 Phe Gly Asp Ile Phe Ser Met Asn Lys Ala Gly Ala Val Met His Ser
 405 410 415
 Gly Met Gln Ile Asn Met Gln Ala Lys Gln Asn Ser Ser Lys Thr Thr
 420 425 430
 Ser Lys Arg Arg Gly Lys Lys Val Asn Met Ala Leu Gly Phe Ser Asp
 435 440 445
 Phe Asp Leu Ser Glu Gly Asp Asp Asp Asp Asp Gly Glu Glu
 450 455 460
 Glu Tyr Asn Asp Met Asp Asn Ser Glu
 465 470 473

<210> 838
 <211> 48
 <212> Amino acid
 <213> Homo sapiens

<400> 838
 Met Leu Trp Glu Thr Gly Cys Ser Ala Ala Cys Arg Val Thr Val Ser
 1 5 10 15
 Pro Thr Val Thr Phe Ala Thr Phe Ser Thr Arg Gly Ile Asp Ala Met
 20 25 30
 Arg Pro Gly Pro Ser Phe Leu Trp Arg Gln Gln Leu Ser Gln Gly *
 35 40 45 47

<210> 839
 <211> 116
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> X = any amino acid or stop code

<400> 839
 Pro Thr Leu Gly Asp Gln Pro Asp Leu His Ser Ile Thr Arg Ala Ser
 1 5 10 15
 Arg Pro Lys Leu Cys Thr Arg Lys Asn Cys Asn Pro Leu Thr Ile Thr
 20 25 30
 Val His Asp Pro Asn Ser Thr Gln Xaa Tyr Tyr Gly Met Ser Trp Glu
 35 40 45
 Leu Arg Phe Tyr Ile Pro Gly Phe Asp Val Gly Thr Met Phe Thr Ile
 50 55 60
 Gln Lys Ile Leu Val Ser Trp Ser Pro Pro Lys Pro Ile Gly Pro Leu
 65 70 75 80
 Thr Asp Leu Gly Asp Pro Met Phe Gln Lys Pro Pro Asn Lys Val Asp

```

      85      90      95
Leu Thr Val Pro Pro Pro Phe Leu Val Ile Lys Asp Thr Leu Gln Lys
      100      105      110
Phe Glu Lys Ile
      115 116

```

```

<210> 840
<211> 138
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(138)
<223> X = any amino acid or stop code

```

```

<400> 840
Ser Leu Asn Asn Val Thr Leu Pro Gln Ala Lys Thr Glu Lys Asp Phe
 1      5      10      15
Ile Gln Leu Cys Thr Pro Gly Val Ile Lys Gln Glu Lys Leu Gly Thr
      20      25      30
Val Tyr Cys Gln Ala Ser Ser Pro Gly Ala Asn Met Ile Gly Asn Lys
      35      40      45
Met Ser Ala Ile Ser Val His Gly Val Ser Thr Ser Gly Gly Gln Met
      50      55      60
Tyr His Tyr Asp Met Asn Thr Ala Ser Leu Ser Gln Gln Xaa Asp Gln
      65      70      75      80
Lys Pro Ile Phe Asn Val Ile Pro Pro Ile Pro Val Gly Ser Glu Asn
      85      90      95
Trp Asn Arg Cys Gln Gly Ser Gly Asp Asp Asn Leu Thr Ser Leu Gly
      100      105      110
Thr Leu Asn Phe Pro Gly Arg Thr Val Ser Phe Ser Phe Glu Met Glu
      115      120      125
Ser Arg Ser Val Ala Gln Ala Gly Val Gln
      130      135      138

```

```

<210> 841
<211> 82
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(82)
<223> X = any amino acid or stop code

```

```

<400> 841
Arg His Thr Gln Glu Cys Arg Cys Pro His Thr His Ile His Thr His
 1      5      10      15
Thr His Ser His Thr His Ser His Thr His Ser His Ser His Ser His
      20      25      30
Thr Thr Pro Arg Cys Ser His Thr Gln Pro Pro His Ala Gln Ala Pro
      35      40      45
Ala Leu Cys Xaa Ser Xaa Glu Asp Arg Gly Gln Pro Thr Trp Lys Leu

```

```

      50              55              60
Cys Ala His Arg Pro Arg Leu Lys Val Ile Lys Glu Gly Gly Trp Leu
 65              70              75              80
Gly Gly
 82

```

```

<210> 842
<211> 58
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(58)
<223> X = any amino acid or stop code

```

```

<400> 842
Asn Tyr Ser Leu Ser Val Tyr Leu Val Arg Gln Leu Thr Ala Gly Thr
 1              5              10              15
Leu Leu Gln Lys Leu Arg Ala Lys Gly Ile Arg Asn Pro Asp His Ser
      20              25              30
Arg Ala Leu Ser Glu Xaa His Leu Ser Ser Leu Pro His Leu Ile Trp
      35              40              45
Ile Gln Val Phe Leu Ala Leu Gln Pro Ser
 50              55              58

```

```

<210> 843
<211> 230
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(230)
<223> X = any amino acid or stop code

```

```

<400> 843
Ala Thr Tyr Ile Val Asp Phe Gly Phe Ser Thr Thr Phe Arg Glu Gly
 1              5              10              15
Gln Met Leu Thr Ala Phe Cys Gly Met Tyr Pro Tyr Val Ala Pro Glu
      20              25              30
Arg Ser Leu Gly Gln Ala Cys Gln Xaa Pro Ala Arg Asp Ile Gln Ser
      35              40              45
Leu Ser Val Ile Leu Tyr Phe Arg Asn Thr Val Gly Arg Arg Ala Arg
 50              55              60
Thr Leu Pro Phe Tyr Ser Ala Glu Ala Ser Lys Leu Gln Glu Lys Ile
 65              70              75              80
Leu Thr Gly Arg Tyr His Ala Pro Pro Leu Leu Ala Leu Gln Leu Asp
      85              90              95
Ser Leu Ile Lys Leu Leu Met Leu Asn Ala Arg Lys Cys Pro Ser Leu
      100              105              110
Xaa Leu Met Lys Asn Pro Trp Val Lys Ser Ser Gln Lys Met Pro Leu
      115              120              125
Ile Pro Tyr Glu Glu Pro Leu Arg Gly Pro Pro Gln Thr Ile Gln Leu

```



```

      130              135              140
Met Val Ala Met Gly Phe Gln Ala Lys Asn Ile Ser Val Ala Ile Ile
145              150              155              160
Glu Arg Lys Phe Asn Tyr Pro Met Ala Thr Tyr Leu Ile Leu Glu His
      165              170              175
Thr Lys Gln Glu Arg Lys Cys Ser Thr Ile Arg Glu Leu Ser Leu Pro
      180              185              190
Pro Gly Val Pro Thr Ser Pro Ser Pro Ser Thr Glu Leu Ser Thr Phe
      195              200              205
Pro Leu Ser Leu Met Arg Ala His Arg Glu Pro Ala Phe Asn Val Gln
      210              215              220
Pro Pro Glu Glu Ser Gln
225              230

```

```

<210> 844
<211> 258
<212>Amino acid
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(258)
<223> X = any amino acid or stop code

```

```

      <400> 844
Ala Lys Gln Glu Leu Ala Lys Leu Met Arg Ile Glu Asp Pro Ser Leu
 1              5              10              15
Leu Asn Ser Arg Val Leu Leu His His Ala Lys Ala Gly Thr Ile Ile
      20              25              30
Ala Arg Gln Gly Asp Gln Asp Val Ser Leu His Phe Val Leu Trp Gly
      35              40              45
Cys Leu His Val Tyr Gln Arg Met Ile Asp Lys Ala Glu Asp Val Cys
      50              55              60
Leu Phe Val Ala Gln Pro Gly Glu Leu Val Gly Gln Leu Ala Val Leu
      65              70              75              80
Thr Gly Glu Pro Leu Ile Phe Thr Leu Arg Ala Gln Arg Asp Cys Thr
      85              90              95
Phe Leu Arg Ile Ser Lys Ser Asp Phe Tyr Glu Ile Met Arg Ala Gln
      100              105              110
Pro Ser Val Val Leu Ser Ala Ala His Thr Val Ala Ala Arg Met Ser
      115              120              125
Pro Phe Val Arg Gln Met Asp Phe Ala Ile Asp Trp Thr Ala Val Glu
      130              135              140
Ala Gly Arg Ala Leu Tyr Arg Cys Ser Ser His Arg Ala Ala Gln Ala
145              150              155              160
Arg Pro Arg Gly Gly Asp Leu Gly Val Val Arg Pro Cys Xaa Pro Pro
      165              170              175
Arg Pro Leu Arg Gln Gly Asp Arg Ser Asp Cys Thr Tyr Ile Val Leu
      180              185              190
Asn Gly Arg Leu Arg Ser Val Ile Gln Arg Gly Ser Gly Lys Lys Glu
      195              200              205
Leu Val Gly Glu Tyr Gly Arg Gly Asp Leu Ile Gly Val Val Ser Ala
      210              215              220
Thr Pro Thr His Xaa Pro Leu Ala Phe Ser Arg Pro Val Pro Arg Gln
225              230              235              240
Leu Thr Arg Ile Ile Pro Gly Asn Pro Gly Ser Gly Glu Val Phe Pro
      245              250              255
Gly Ala
258

```

<210> 845
 <211> 235
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(235)
 <223> X = any amino acid or stop code

<400> 845
 His Ala Ser Gly Trp Thr Pro Gly Thr Thr Gln Thr Leu Gly Gln Gly
 1 5 10 15
 Thr Ala Trp Asp Thr Val Ala Ser Thr Pro Gly Thr Ser Glu Thr Thr
 20 25 30
 Ala Ser Ala Glu Gly Arg Arg Thr Pro Gly Ala Thr Arg Pro Ala Ala
 35 40 45
 Pro Gly Thr Gly Ser Trp Ala Glu Gly Ser Val Lys Ala Pro Ala Pro
 50 55 60
 Ile Pro Glu Ser Pro Pro Ser Lys Ser Arg Ser Met Ser Asn Thr Thr
 65 70 75 80
 Glu Gly Val Trp Glu Gly Thr Arg Ser Ser Val Thr Asn Arg Ala Arg
 85 90 95
 Ala Ser Lys Asp Arg Arg Glu Met Thr Thr Thr Lys Ala Asp Arg Pro
 100 105 110
 Arg Glu Asp Ile Glu Gly Val Arg Ile Ala Leu Asp Ala Ala Lys Lys
 115 120 125
 Val Leu Gly Thr Ile Gly Pro Pro Ala Leu Val Ser Glu Thr Leu Ala
 130 135 140
 Trp Glu Ile Leu Pro Gln Ala Thr Pro Val Ser Lys Gln Gln Ser Gln
 145 150 155 160
 Gly Ser Ile Gly Glu Thr Thr Pro Ala Ala Gly Met Trp Thr Leu Gly
 165 170 175
 Thr Pro Ala Ala Asp Val Trp Ile Leu Gly Thr Pro Ala Ala Asp Val
 180 185 190
 Trp Thr Ser Met Glu Ala Ala Ser Gly Glu Gly Ser Ala Ala Gly Asp
 195 200 205
 Leu Asp Ala Ala Thr Gly Asp Arg Gly Pro Gln Ala Thr Leu Ser Gln
 210 215 220
 Thr Pro Ala Val Xaa Pro Trp Gly Pro Pro Gly
 225 230 235

<210> 846
 <211> 134
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(134)
 <223> X = any amino acid or stop code

<400> 846

```

Ala Gly Thr Ser Gly Thr Gly Asp Thr Gly Pro Gly Asn Thr Ala Val
 1           5           10           15
Ser Gly Thr Pro Val Val Ser Pro Gly Ala Thr Pro Gly Ala Pro Gly
           20           25           30
Ser Ser Thr Pro Gly Glu Ala Asp Ile Gly Asn Thr Ser Phe Gly Lys
           35           40           45
Ser Gly Thr Pro Thr Val Ser Ala Ala Ser Thr Thr Ser Ser Pro Val
           50           55           60
Ser Lys His Thr Asp Ala Ala Ser Ala Thr Ala Val Thr Ile Ser Gly
           65           70           75           80
Ser Lys Pro Gly Thr Pro Gly Thr Pro Gly Gly Ala Thr Ser Gly Gly
           85           90           95
Lys Ile Thr Pro Gly Ile Ala Xaa Pro Thr Leu Asp Gln Lys Ser Pro
           100           105           110
Cys Phe Ser Gly Tyr Gly Gly Tyr Phe Pro Val Asn Pro His Gln Asn
           115           120           125
Pro Cys Ala Asp Ser Leu
           130           134

```

```

<210> 847
<211> 188
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(188)
<223> X = any amino acid or stop code

```

```

<400> 847
Arg Ala His Arg Cys Cys Leu Pro Leu Pro Ser Leu Ser Cys Glu Ile
 1           5           10           15
Gln Ile Gly Phe Ser Xaa Ser Ser Ile Phe Pro Gly Gln Xaa Ala Cys
           20           25           30
Pro Cys Ser Cys Cys Arg Ser Cys Arg Arg Asn Trp Pro Gln Ser Pro
           35           40           45
Arg Cys Pro His His Pro Pro Ala Pro Cys Ser Leu Leu Leu Ser Ser
           50           55           60
Cys Leu Pro Pro Pro Leu Ser Cys Ser Trp Arg Gly Thr Ser Gly Lys
           65           70           75           80
Pro Pro Ser Gln Ser Pro Ala Ala Ser Arg Ser Met Arg Pro Arg Cys
           85           90           95
Ser Pro Arg Thr Ser Ser Leu Arg Gly Ala Ser Cys Arg Gly Pro Gly
           100           105           110
Gly Ser Ala Pro Ala Ala Ala Ser Gly Pro Arg Cys Arg Gly Cys Ser
           115           120           125
Arg Ser Pro Arg Arg Cys Ser Arg Ser Gly Cys Ala Ala Ala Ser Pro
           130           135           140
Pro Arg Ser Gln Arg Arg Ser Pro Pro Leu Ser Pro Pro Pro Phe Pro
           145           150           155           160
Thr Ser Gly Thr Leu Leu Leu Lys Thr Ser Arg Phe Gly Ser Ala Thr
           165           170           175
Arg Glu Xaa Ser Ser Pro Arg Pro Arg Pro Arg Pro
           180           185           188

```

```

<210> 848
<211> 328
<212>Amino acid

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(328)

<223> X = any amino acid or stop code

<400> 848

```

Asp Asp Val Pro Pro Pro Ala Pro Asp Leu Tyr Asp Val Pro Pro Gly
 1      5      10      15
Leu Arg Arg Pro Gly Pro Gly Thr Leu Tyr Asp Val Pro Arg Glu Arg
 20      25      30
Val Leu Pro Pro Glu Val Ala Asp Gly Gly Val Val Asp Ser Gly Val
 35      40      45
Tyr Ala Val Pro Pro Pro Ala Glu Arg Glu Ala Pro Ala Glu Gly Lys
 50      55      60
Arg Leu Ser Ala Ser Ser Thr Gly Ser Thr Arg Ser Ser Gln Ser Ala
 65      70      75      80
Ser Ser Leu Glu Val Ala Gly Pro Gly Arg Glu Pro Leu Glu Leu Glu
 85      90      95
Val Ala Val Glu Ala Leu Ala Arg Leu Gln Gln Gly Val Ser Ala Thr
100      105      110
Val Ala His Leu Leu Asp Leu Ala Gly Ser Ala Gly Ala Thr Gly Ser
115      120      125
Trp Arg Ser Pro Ser Glu Pro Gln Glu Pro Leu Val Gln Asp Leu Gln
130      135      140
Ala Ala Val Ala Ala Val Gln Ser Ala Val His Glu Leu Leu Glu Phe
145      150      155      160
Ala Arg Ser Ala Val Gly Asn Ala Ala His Thr Ser Asp Arg Ala Leu
165      170      175
His Ala Lys Leu Ser Arg Gln Leu Gln Lys Met Glu Asp Val His Gln
180      185      190
Thr Leu Val Ala His Gly Gln Ala Leu Asp Ala Gly Arg Gly Gly Ser
195      200      205
Gly Ala Thr Leu Glu Asp Leu Asp Arg Leu Val Ala Cys Ser Arg Ala
210      215      220
Val Pro Glu Asp Ala Lys Gln Leu Ala Ser Phe Leu His Gly Asn Ala
225      230      235      240
Ser Leu Leu Phe Arg Arg Thr Lys Ala Thr Ala Pro Gly Pro Glu Gly
245      250      255
Gly Gly Thr Leu His Pro Asn Pro Thr Asp Lys Thr Ser Ser Ile Gln
260      265      270
Ser Arg Pro Leu Pro Ser Pro Pro Lys Phe Thr Ser Gln Asp Ser Pro
275      280      285
Asp Gly Gln Tyr Glu Asn Ser Glu Gly Gly Trp Met Glu Asp Tyr Asp
290      295      300
Tyr Val His Leu Thr Gly Arg Arg Ser Phe Xaa Lys Thr Gln Lys
305      310      315      320
Glu Leu Leu Gly Lys Arg Ala Ala
325      328

```

<210> 849

<211> 98

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(98)

<223> X = any amino acid or stop code

<400> 849

```

Met Ala Thr Asp Glu Glu Asn Val Tyr Gly Leu Glu Glu Asn Ala Gln
 1           5           10           15
Ser Arg Gln Glu Ser Thr Arg Arg Leu Ile Leu Val Gly Arg Thr Gly
           20           25           30
Ala Gly Lys Ser Ala Thr Gly Asn Ser Ile Leu Gly Gln Arg Arg Phe
           35           40           45
Phe Ser Arg Leu Gly Ala Thr Ser Val Thr Arg Ala Cys Thr Thr Gly
           50           55           60
Ser Arg Arg Trp Asp Lys Cys His Val Glu Val Val Asp Thr Pro Asp
           65           70           75           80
Ile Phe Ser Ser Gln Val Ser Lys Thr Asp Pro Gly Cys Glu Glu Arg
           85           90           95
Xaa *
97

```

<210> 850

<211> 94

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(94)

<223> X = any amino acid or stop code

<400> 850

```

Thr Leu Gly Leu Arg Ser Leu Thr Lys Glu Gly Gly Gly Gly Gly Asp
 1           5           10           15
Val Ala Ala Phe Glu Val Gly Thr Gly Ala Ala Ala Ser Arg Ala Leu
           20           25           30
Gly Gln Cys Gly Gln Leu Gln Lys Leu Ile Val Ile Phe Ile Gly Ser
           35           40           45
Leu Cys Gly Leu Cys Thr Lys Cys Ala Val Ser Asn Asp Leu Thr Gln
           50           55           60
Gln Glu Ile Gln Thr Pro Glu Ile Gln Gln Arg Asn Ala Xaa Cys Asp
           65           70           75           80
Ser Arg Val Thr Phe Thr Asn Glu Gly Gly Arg Trp Trp Gly
           85           90           94

```

<210> 851

<211> 50

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(50)

<223> X = any amino acid or stop code

<400> 851

Phe Phe Phe Leu Val Glu Thr Arg Phe His His Ile Gly Gln Ala Gly
 1 5 10 15
 Leu Glu Leu Leu Thr Leu Ser Ile Lys Xaa Ser Ala Arg Leu Gly Leu
 20 25 30
 Pro Lys Cys Trp Asp Asp Arg Arg Glu Pro Pro Tyr Leu Ala Gly Phe
 35 40 45
 Met Ile
 50

<210> 852

<211> 143

<212>Amino acid

<213> Homo sapiens

<400> 852

Arg Arg Ser Pro Pro Pro Ala Pro Pro Pro Leu Pro Ser Pro Leu Ser
 1 5 10 15
 Pro Pro Pro Arg Ala Pro Val Ser Pro Ala Ser Thr Met Pro Ile Leu
 20 25 30
 Leu Phe Leu Ile Asp Thr Ser Ala Ser Met Asn Gln Arg Ser His Leu
 35 40 45
 Gly Thr Thr Tyr Leu Asp Thr Ala Lys Gly Ala Val Glu Thr Phe Met
 50 55 60
 Lys Leu Arg Ala Arg Asp Pro Ala Ser Arg Gly Asp Arg Tyr Met Leu
 65 70 75 80
 Val Thr Phe Glu Glu Pro Pro Tyr Ala Ile Lys Ala Gly Trp Lys Glu
 85 90 95
 Asn His Ala Thr Phe Met Asn Glu Leu Lys Asn Leu Gln Ala Glu Gly
 100 105 110
 Leu Thr Thr Leu Gly Gln Ser Leu Arg Thr Ala Phe Asp Leu Leu Asn
 115 120 125
 Leu Asn Arg Leu Val Thr Gly Ile Asp Asn Tyr Gly Gln Val Gly
 130 135 140 143

<210> 853

<211> 154

<212>Amino acid

<213> Homo sapiens

<400> 853

Asn Cys Arg Thr Tyr Val Phe Cys Phe Val Leu Val Phe Arg Leu Leu
 1 5 10 15
 Phe Leu His Gly Ser Pro Leu Ser Pro Ser Leu Leu Ser Arg Ala Gly
 20 25 30
 Leu Leu Cys Gly Ser Ala Glu Asn Pro Thr Pro Phe Leu Cys Gly Ile
 35 40 45
 Thr Met Ala Ala Gly Val Ser Leu Leu Ala Leu Val Arg Val Ile
 50 55 60
 Leu Ser Thr Ala Ile Leu Cys Pro Ser Gly Ala Ser Arg Arg Gln Arg
 65 70 75 80
 Ser Ser Glu Val Glu Trp Gly Thr Asp Ser Gly Val Tyr Arg Leu Tyr

				85					90					95					
Cys	Trp	Arg	Val	Gly	Phe	Leu	Gly	Pro	Gly	Gly	Glu	Leu	Arg	Leu	Gly				
			100					105						110					
Leu	Ser	Glu	Ala	Arg	Gly	Gly	Arg	Val	Trp	Gly	Arg	Gly	Glu	Lys	Arg				
		115					120						125						
Cys	Arg	Val	Trp	Ala	Val	Arg	Ser	Leu	Arg	Lys	Gly	Phe	Gly	Ser	Val				
	130					135					140								
Ala	Ala	Leu	Arg	Arg	Gly	Ile	Trp	Ala	Gly										
145					150				154										

<210> 854

<211> 90

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(90)

<223> X = any amino acid or stop code

<400> 854

Val	Thr	Pro	Thr	Pro	Pro	Gln	Tyr	Tyr	Thr	Cys	Ser	Cys	Val	Leu	Gly				
1				5					10					15					
Phe	Ile	Ala	Cys	Ser	Ile	Phe	Leu	Gln	Met	Ser	Leu	Lys	Pro	Lys	Val				
		20					25					30							
Met	Leu	Leu	Thr	Val	Ala	Leu	Val	Ala	Cys	Leu	Val	Leu	Phe	Asn	Leu				
	35					40						45							
Ser	Gln	Cys	Trp	Gln	Arg	Asp	Cys	Cys	Ser	Gln	Gly	Leu	Gly	Asn	Leu				
50				55					60										
Thr	Glu	Pro	Ser	Gly	Thr	Asn	Arg	Xaa	Gly	Pro	Ala	Ala	Val	Ser	Trp				
65				70				75						80					
Ala	Ser	Leu	Pro	Ala	Pro	Ser	Ser	Cys	Arg										
				85				90											

<210> 855

<211> 61

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(61)

<223> X = any amino acid or stop code

<400> 855

Gly	Lys	Ala	Gly	Gly	Ala	Ala	Gly	Leu	Phe	Ala	Lys	Gln	Val	Gln	Lys				
1				5				10						15					
Lys	Phe	Ser	Arg	Ala	Gln	Glu	Lys	Xaa	Thr	Arg	Arg	Phe	Gly	Lys	Thr				
		20					25					30							
Cys	Gln	Pro	Glu	Glu	Arg	Ala	Arg	Glu	Glu	Arg	Gln	Glu	Gly	Pro	Glu				
	35					40					45								
Ile	Glu	Phe	Gly	Phe	Ser	Phe	Phe	Ser	Leu	Ser	Leu	Tyr							
50					55				60		61								

<210> 856
 <211> 779
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(779)
 <223> X = any amino acid or stop code

<400> 856
 Pro Lys Arg Leu Phe Leu Phe Gln Asp Val Asn Thr Leu Gln Gly Gly
 1 5 10 15
 Gly Gln Pro Val Val Thr Pro Ser Val Gln Pro Ser Leu Gln Pro Ala
 20 25 30
 His Pro Ala Leu Pro Gln Met Thr Ser Gln Ala Pro Gln Pro Ser Val
 35 40 45
 Thr Gly Leu Gln Ala Pro Ser Ala Ala Leu Met Gln Val Ser Ser Leu
 50 55 60
 Asp Ser His Ser Ala Val Ser Gly Asn Ala Gln Ser Phe Gln Pro Tyr
 65 70 75 80
 Ala Gly Met Gln Ala Tyr Ala Tyr Pro Gln Ala Ser Ala Val Thr Ser
 85 90 95
 Gln Leu Gln Pro Val Arg Pro Leu Tyr Pro Ala Pro Leu Ser Gln Pro
 100 105 110
 Pro His Phe Gln Gly Ser Gly Asp Met Ala Ser Phe Leu Met Thr Glu
 115 120 125
 Ala Arg Gln His Asn Thr Glu Ile Arg Met Ala Val Ser Lys Val Ala
 130 135 140
 Asp Lys Met Asp His Leu Met Thr Lys Val Glu Glu Leu Gln Lys His
 145 150 155 160
 Ser Ala Gly Asn Ser Met Leu Ile Pro Ser Met Ser Val Thr Met Glu
 165 170 175
 Thr Ser Met Ile Met Ser Asn Ile Gln Arg Ile Ile Gln Glu Asn Glu
 180 185 190
 Arg Leu Lys Gln Glu Ile Leu Glu Lys Ser Asn Arg Ile Glu Glu Gln
 195 200 205
 Asn Asp Lys Ile Ser Glu Leu Ile Glu Arg Asn Gln Arg Tyr Val Glu
 210 215 220
 Gln Ser Asn Leu Met Met Glu Lys Arg Asn Asn Ser Leu Gln Thr Ala
 225 230 235 240
 Thr Glu Asn Thr Gln Ala Arg Val Leu His Ala Glu Gln Glu Lys Ala
 245 250 255
 Lys Val Thr Glu Glu Leu Ala Ala Ala Thr Ala Gln Val Ser His Leu
 260 265 270
 Gln Leu Lys Met Thr Ala His Gln Lys Lys Glu Thr Glu Leu Gln Met
 275 280 285
 Gln Leu Thr Glu Ser Leu Lys Glu Thr Asp Leu Leu Arg Gly Gln Leu
 290 295 300
 Thr Lys Val Gln Ala Lys Leu Ser Glu Leu Gln Glu Thr Ser Glu Gln
 305 310 315 320
 Ala Gln Ser Lys Phe Lys Ser Glu Lys Gln Asn Arg Lys Gln Leu Glu
 325 330 335
 Leu Lys Val Thr Ser Leu Glu Glu Glu Leu Thr Asp Leu Arg Val Glu
 340 345 350
 Lys Glu Ser Leu Glu Lys Asn Leu Ser Glu Arg Lys Lys Lys Ser Ala
 355 360 365
 Gln Glu Arg Ser Gln Ala Glu Glu Glu Ile Asp Glu Ile Arg Lys Ser
 370 375 380


```

Tyr Gln Glu Glu Leu Asp Lys Leu Arg Gln Leu Leu Lys Lys Thr Arg
385          390          395          400
Val Ser Thr Asp Gln Ala Ala Ala Glu Gln Leu Ser Leu Val Gln Ala
          405          410          415
Glu Leu Gln Thr Gln Trp Glu Ala Lys Cys Glu His Leu Leu Ala Ser
          420          425          430
Ala Lys Asp Glu His Leu Gln Gln Tyr Gln Glu Val Cys Ala Gln Arg
          435          440          445
Asp Ala Tyr Gln Gln Lys Leu Val Gln Leu Gln Glu Lys Ser Val Cys
          450          455          460
Phe Ala Cys Leu Ala Leu Gln Ala Gln Ile Thr Ala Leu Thr Lys Gln
465          470          475          480
Asn Glu Gln His Ile Lys Glu Leu Glu Lys Asn Lys Ser Gln Met Ser
          485          490          495
Gly Val Glu Ala Ala Ala Ser Asp Pro Ser Glu Lys Val Lys Lys Ile
          500          505          510
Met Asn Gln Val Phe Gln Ser Leu Arg Arg Glu Phe Glu Leu Glu Glu
          515          520          525
Ser Tyr Asn Gly Arg Thr Ile Leu Gly Thr Ile Met Asn Thr Ile Lys
          530          535          540
Met Val Thr Leu Gln Leu Leu Asn Gln Gln Glu Gln Glu Lys Glu Glu
545          550          555          560
Ser Ser Ser Glu Glu Glu Glu Lys Ala Glu Glu Arg Pro Arg Arg
          565          570          575
Pro Ser Gln Glu Gln Ser Ala Ser Ala Ser Ser Gly Gln Pro Gln Ala
          580          585          590
Pro Leu Asn Arg Glu Arg Pro Glu Ser Pro Met Val Pro Ser Glu Gln
          595          600          605
Val Val Glu Glu Ala Val Pro Leu Pro Pro Gln Ala Leu Thr Thr Ser
          610          615          620
Gln Asp Gly His Arg Arg Lys Gly Asp Ser Glu Ala Glu Ala Leu Ser
625          630          635          640
Glu Ile Lys Asp Gly Ser Leu Pro Pro Glu Leu Ser Cys Ile Pro Ser
          645          650          655
His Arg Val Leu Gly Pro Pro Thr Ser Ile Pro Pro Glu Pro Leu Gly
          660          665          670
Pro Val Ser Met Asp Ser Glu Cys Glu Glu Ser Leu Ala Ala Ser Pro
          675          680          685
Met Ala Ala Lys Pro Asp Asn Pro Ser Gly Lys Val Cys Val Gln Gly
          690          695          700
Lys Xaa Ala Pro Asp Gly Pro Thr Tyr Lys Glu Ser Ser Thr Arg Leu
705          710          715          720
Phe Pro Gly Phe Gln Asp Pro Glu Glu Gly Asp Pro Leu Ala Leu Gly
          725          730          735
Leu Glu Ser Pro Gly Glu Pro Gln Pro Pro Gln Leu Gln Gly Lys Val
          740          745          750
Asp Val His Xaa Val Pro Pro Val Pro His Lys Gly Ala Phe Gln Glu
          755          760          765
Gln Glu Gly Arg Phe Pro Gln Phe Cys Arg Glu
          770          775          779

```

<210> 857

<211> 510

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> X = any amino acid or stop code

<400> 857

Ser	Glu	Thr	Ala	Gln	Gln	Ile	Ile	Asp	Arg	Leu	Arg	Val	Lys	Leu	Ala
1				5					10					15	
Lys	Glu	Pro	Gly	Ala	Asn	Leu	Phe	Leu	Met	Ala	Val	Gln	Asp	Ile	Arg
			20					25					30		
Val	Gly	Gly	Arg	Gln	Ser	Asn	Ala	Ser	Tyr	Gln	Tyr	Thr	Leu	Leu	Ser
		35					40					45			
Asp	Asp	Leu	Ala	Ala	Leu	Arg	Glu	Trp	Glu	Pro	Lys	Ile	Arg	Lys	Lys
	50					55					60				
Leu	Ala	Thr	Leu	Pro	Glu	Leu	Ala	Asp	Val	Asn	Ser	Asp	Gln	Gln	Asp
	65				70				75					80	
Asn	Gly	Ala	Glu	Met	Asn	Leu	Val	Tyr	Asp	Arg	Asp	Thr	Met	Ala	Arg
				85					90					95	
Leu	Gly	Ile	Asp	Val	Gln	Ala	Ala	Asn	Ser	Leu	Leu	Asn	Asn	Ala	Phe
			100					105					110		
Gly	Gln	Arg	Gln	Ile	Ser	Thr	Ile	Tyr	Gln	Pro	Met	Asn	Gln	Tyr	Lys
		115					120						125		
Val	Val	Met	Glu	Val	Asp	Pro	Arg	Tyr	Thr	Gln	Asp	Ile	Ser	Ala	Leu
	130					135					140				
Glu	Lys	Met	Phe	Val	Ile	Asn	Asn	Glu	Gly	Lys	Ala	Ile	Pro	Leu	Ser
	145				150					155				160	
Tyr	Phe	Ala	Lys	Trp	Gln	Pro	Ala	Asn	Ala	Pro	Leu	Ser	Val	Asn	His
			165						170					175	
Gln	Gly	Leu	Ser	Ala	Ala	Leu	Thr	Ile	Ser	Phe	Asn	Leu	Pro	Thr	Gly
		180						185					190		
Lys	Ser	Leu	Ser	Asp	Ala	Ser	Ala	Ala	Ile	Asp	Arg	Ala	Met	Ser	Gln
		195				200						205			
Leu	Gly	Val	Pro	Ser	Thr	Val	Arg	Gly	Ser	Phe	Ala	Gly	Pro	Ala	Gln
	210					215					220				
Val	Phe	Gln	Glu	Thr	Met	Asn	Ser	Gln	Val	Ile	Leu	Ile	Ile	Ala	Ala
	225				230					235				240	
Ile	Ala	Thr	Val	Tyr	Ile	Val	Leu	Gly	Ile	Pro	Tyr	Glu	Arg	Tyr	Val
			245						250				255		
His	Pro	Pro	Thr	Ile	Leu	Leu	Xaa	Arg	Pro	Gly	Ala	Asn	Leu	Phe	Leu
			260					265					270		
Met	Ala	Val	Gln	Asp	Ile	Arg	Val	Gly	Gly	Arg	Gln	Ser	Asn	Ala	Ser
		275					280					285			
Tyr	Gln	Tyr	Thr	Leu	Leu	Ser	Asp	Asp	Leu	Ala	Ala	Leu	Arg	Glu	Trp
	290					295					300				
Glu	Pro	Lys	Ile	Arg	Lys	Lys	Leu	Ala	Thr	Leu	Pro	Glu	Leu	Ala	Asp
	305				310					315				320	
Val	Asn	Ser	Asp	Gln	Gln	Asp	Asn	Gly	Ala	Glu	Met	Asn	Leu	Val	Tyr
			325						330				335		
Asp	Arg	Asp	Thr	Met	Ala	Arg	Leu	Gly	Ile	Asp	Val	Gln	Ala	Ala	Asn
			340					345				350			
Ser	Leu	Leu	Asn	Asn	Ala	Phe	Gly	Gln	Arg	Gln	Ile	Ser	Thr	Ile	Tyr
		355					360					365			
Gln	Pro	Met	Asn	Gln	Tyr	Lys	Val	Val	Met	Glu	Val	Asp	Pro	Arg	Tyr
	370					375					380				
Thr	Gln	Asp	Ile	Ser	Ala	Leu	Glu	Lys	Met	Phe	Val	Ile	Asn	Asn	Glu
	385				390					395				400	
Gly	Lys	Ala	Ile	Pro	Leu	Ser	Tyr	Phe	Ala	Lys	Trp	Gln	Pro	Ala	Asn
			405						410				415		
Ala	Pro	Leu	Ser	Val	Asn	His	Gln	Gly	Leu	Ser	Ala	Ala	Leu	Thr	Ile
			420					425					430		
Ser	Phe	Asn	Leu	Pro	Thr	Gly	Lys	Ser	Leu	Ser	Asp	Ala	Ser	Ala	Ala
		435					440					445			
Ile	Asp	Arg	Ala	Met	Ser	Gln	Leu	Gly	Val	Pro	Ser	Thr	Val	Arg	Gly
	450					455					460				
Ser	Phe	Ala	Gly	Pro	Ala	Gln	Val	Phe	Gln	Glu	Thr	Met	Asn	Ser	Gln
	465				470					475				480	
Val	Ile	Leu	Ile	Ile	Ala	Ala	Ile	Ala	Thr	Val	Tyr	Ile	Val	Leu	Gly

485 490 495
 Ile Pro Tyr Glu Arg Tyr Val His Pro Pro Thr Ile Leu Leu
 500 505 510

<210> 858
 <211> 137
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(137)
 <223> X = any amino acid or stop code

<400> 858
 Ile Ile Thr Pro Asp Ala Met Gly Cys Gln Lys Asp Ile Ala Glu Lys
 1 5 10 15
 Ile Gln Lys Gln Gly Gly Asp Tyr Leu Phe Ala Val Lys Gly Asn Gln
 20 25 30
 Gly Arg Leu Asn Lys Ala Phe Glu Glu Lys Phe Pro Leu Lys Glu Leu
 35 40 45
 Asn Asn Pro Glu His Asp Ser Tyr Ala Ile Ser Glu Lys Ser His Gly
 50 55 60
 Arg Glu Glu Ile Arg Leu His Ile Val Cys Asp Val Pro Asp Glu Leu
 65 70 75 80
 Ile Asp Phe Thr Phe Glu Trp Lys Gly Leu Lys Lys Leu Cys Val Ala
 85 90 95
 Val Ser Phe Arg Ser Ile Ile Ala Glu Gln Lys Lys Glu Pro Glu Met
 100 105 110
 Thr Val Arg Tyr Asn Ile Ser Xaa Leu Gly Ile Ala Gly Asp Ile Ser
 115 120 125
 Val Thr Ala Ile Ser Gly Thr Asp Asp
 130 135 137

<210> 859
 <211> 123
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(123)
 <223> X = any amino acid or stop code

<400> 859
 His Tyr Leu Lys Met Leu Thr Gln Ala Arg Arg Glu Val Ile Ile Ala
 1 5 10 15
 Asn Ala Tyr Phe Phe Pro Gly Tyr Arg Phe Leu His Ala Leu Arg Lys
 20 25 30
 Ala Ala Arg Arg Gly Val Arg Ile Lys Leu Ile Ile Gln Gly Glu Pro
 35 40 45
 Asp Met Pro Ile Val Arg Val Gly Ala Arg Leu Leu Tyr Asn Tyr Leu
 50 55 60
 Val Lys Gly Gly Val Gln Val Phe Glu Tyr Arg Arg Arg Pro Leu His

```

      65              70              75              80
Gly Lys Val Ala Leu Met Asp Asp His Trp Ala Thr Val Gly Ser Ser
      85              90              95
Asn Leu His Pro Val Ser Xaa Ser Gly Asn Leu Gln Ala Asn Val Ile
      100            105            110
Leu His Val Leu Arg Val Pro Thr Leu Asn Pro
      115            120            123

```

```

<210> 860
<211> 190
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> X = any amino acid or stop code

```

```

<400> 860
Cys Trp Ser Lys Ser Ala Ala Phe His Ser Lys Leu Ala Thr Thr Cys
  1              5              10              15
Ile Val Pro Val Cys Ala Ala Gly His Cys Ser Ala Ala Trp Xaa Ser
      20            25            30
Leu Arg Pro Ile Glu Ala Leu Ala Lys Glu Val Arg Glu Leu Lys Xaa
  35            40            45
His Thr Arg Xaa Leu Leu Asn Pro Ala Thr Thr Arg Glu Leu Thr Ser
  50            55            60
Leu Gly Arg Asn Leu Asn Arg Leu Leu Lys Ser Glu Arg Glu Arg Tyr
  65            70            75            80
Asp Lys Tyr Arg Thr Thr Leu Thr Asp Leu Thr His Ser Leu Lys Thr
      85            90            95
Pro Leu Ala Val Leu Gln Ser Thr Leu Arg Ser Leu Arg Ser Glu Lys
      100           105           110
Met Ser Val Ser Asp Ala Glu Pro Val Met Leu Glu Gln Ile Ser Arg
  115           120           125
Ile Ser Gln Gln Ile Gly Tyr Tyr Leu His Arg Ala Ser Met Arg Gly
  130           135           140
Gly Thr Leu Leu Ser Arg Glu Leu His Pro Val Ala Pro Leu Leu Asp
  145           150           155           160
Asn Leu Thr Ser Ala Leu Ile Lys Gly Lys Pro Arg Lys Gly Gly Asn
      165           170           175
Val Thr Val Phe Pro Phe Thr Ala Met Tyr Arg Asp Gly His
      180           185           190

```

```

<210> 861
<211> 241
<212>Amino acid
<213> Homo sapiens

```

```

<400> 861
Gly Asn Thr Val Met Phe Gln His Leu Met Gln Lys Arg Lys His Thr
  1              5              10              15
Gln Trp Thr Tyr Gly Pro Leu Thr Ser Thr Leu Tyr Asp Leu Thr Glu
      20            25            30

```

```

Ile Asp Ser Ser Gly Asp Glu Gln Ser Leu Leu Glu Leu Ile Ile Thr
      35              40              45
Thr Lys Lys Arg Glu Ala Arg Gln Ile Leu Asp Gln Thr Pro Val Lys
      50              55              60
Glu Leu Val Ser Leu Lys Trp Lys Arg Tyr Gly Arg Pro Tyr Phe Cys
      65              70              75              80
Met Leu Gly Ala Ile Tyr Leu Leu Tyr Ile Ile Cys Phe Thr Met Cys
              85              90              95
Cys Ile Tyr Arg Pro Leu Lys Pro Arg Thr Asn Asn Arg Thr Ser Pro
              100              105              110
Arg Asp Asn Thr Leu Leu Gln Gln Lys Leu Leu Gln Glu Ala Tyr Met
              115              120              125
Thr Pro Lys Asp Asp Ile Arg Leu Val Gly Glu Leu Val Thr Val Ile
      130              135              140
Gly Ala Ile Ile Ile Leu Leu Val Glu Val Pro Asp Ile Phe Arg Met
      145              150              155              160
Gly Val Thr Arg Phe Phe Gly Gln Thr Ile Leu Gly Gly Pro Phe His
              165              170              175
Val Leu Ile Ile Thr Tyr Ala Phe Met Val Leu Val Thr Met Val Met
              180              185              190
Arg Leu Ile Ser Ala Ser Gly Glu Val Val Pro Met Ser Phe Ala Leu
              195              200              205
Val Leu Gly Trp Cys Asn Val Met Tyr Phe Ala Arg Gly Phe Gln Met
      210              215              220
Leu Gly Pro Phe Thr Ile Met Ile Gln Lys Met Ile Phe Gly Asp Leu
      225              230              235              240
Met
      241

```

```

<210> 862
<211> 45
<212>Amino acid
<213> Homo sapiens

```

```

<400> 862
Glu Lys Ala Ala Ala Asn Ile Asp Glu Val Gln Lys Ser Asp Val
  1              5              10              15
Ser Ser Thr Gly Gln Gly Val Ile Asp Lys Asp Ala Leu Gly Pro Met
              20              25              30
Met Leu Glu Val Ala His Leu His Phe Ser Ala Val Phe
      35              40              45

```

```

<210> 863
<211> 120
<212>Amino acid
<213> Homo sapiens

```

```

<400> 863
Leu Glu Val Pro Ser Glu Val Thr Pro Leu Gly Phe Ala Met Gln Ala
  1              5              10              15
Thr Lys Thr Leu Leu Arg Thr Cys Cys Leu Gln Glu Phe Asn Ile
              20              25              30
Met Glu Lys Asn Lys Gly Trp Ala Leu Leu Gly Gly Lys Asp Gly His
      35              40              45

```

```

Leu Gln Gly Leu Phe Leu Leu Ala Asn Ala Leu Leu Glu Arg Asn Gln
  50                      55                      60
Leu Leu Ala Gln Lys Val Met Tyr Leu Leu Val Pro Leu Leu Asn Arg
  65                      70                      75                      80
Gly Asn Asp Lys His Lys Leu Thr Ser Ala Gly Phe Phe Val Glu Leu
                      85                      90                      95
Leu Arg Ser Pro Val Ala Lys Arg Leu Pro Ser Ile Tyr Ser Val Ala
                      100                    105                    110
Arg Phe Lys Asp Trp Leu Gln Asp
                      115                      120

```

```

<210> 864
<211> 124
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> X = any amino acid or stop code

```

```

<400> 864
Arg Pro Ala Pro Ala Pro Ser Ala Ala Pro Glu Glu Ala Pro Ser Pro
  1                      5                      10                      15
Gly Val Lys Gly Arg Gly Met Ala Lys Arg Arg Val Pro Ala Pro Val
                      20                      25                      30
Trp Gly Gly Ala Gly Gly Gly Thr Lys Ser Ala Arg Arg Ala Ala Ala
                      35                      40                      45
Ala Pro Asp Thr Glu Arg Ser Glu Glu Gly Gly Arg Ala Val Lys Glu
                      50                      55                      60
Ala Tyr Pro Ser Ser Arg Gln Pro Pro Pro Pro Ser Pro Xaa Pro Leu
                      65                      70                      75                      80
Arg Cys Ala Arg Arg Cys His Pro Asn Leu Ala Pro Ser Met Pro Ile
                      85                      90                      95
Ser Asn Arg Glu Gly Lys Gly Lys Arg Arg Glu Glu Lys Ile Arg Pro
                      100                    105                    110
Leu Ser Pro Ala Ser Thr His Thr Ser Ala Arg Ala
                      115                      120                      124

```

```

<210> 865
<211> 120
<212>Amino acid
<213> Homo sapiens

```

```

<400> 865
Leu Gln Gly Val His Gly Ser Ser Ser Thr Phe Cys Ser Ser Leu Ser
  1                      5                      10                      15
Ser Asp Phe Asp Pro Leu Glu Tyr Cys Ser Pro Lys Gly Asp Pro Gln
                      20                      25                      30
Arg Val Asp Met Gln Pro Ser Val Thr Ser Arg Pro Arg Ser Leu Asp
                      35                      40                      45
Ser Glu Val Pro Thr Gly Glu Thr Gln Val Ser Ser His Val His Tyr
                      50                      55                      60
His Arg His Arg His His His Tyr Lys Lys Arg Phe Gln Arg His Gly

```

```

      65              70              75              80
Arg Lys Pro Gly Pro Glu Thr Gly Val Pro Gln Ser Arg Pro Pro Ile
              85              90              95
Pro Arg Thr Gln Pro Gln Pro Glu Pro Pro Ser Pro Asp Gln Gln Val
              100              105              110
Thr Arg Ser Asn Ser Ala Ala Pro
              115              120

```

<210> 866
 <211> 82
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 866
Met Ala Asp Pro Asp Pro Arg Tyr Pro Arg Ser Ser Ile Glu Asp Asp
  1              5              10              15
Phe Asn Tyr Gly Ser Ser Glu Ala Ser Asp Thr Val His Ile Arg Met
              20              25              30
Ala Phe Leu Arg Arg Val Tyr Ser Ile Leu Ser Leu Gln Asp Leu Leu
              35              40              45
Ala Thr Val Thr Ser Thr Asp Asn Leu Ala Phe Glu Asp Gly Arg Thr
              50              55              60
Asp Trp Leu Gln Arg Pro Asp Cys Val Ser Phe Lys Ile His Val Leu
              65              70              75              80
Pro Met
      82

```

<210> 867
 <211> 60
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 867
Ala Gly Met Ser Val Val Val Val Pro Pro Ile Gly Ser Ser Tyr Leu
  1              5              10              15
Gly Leu Ile Ser Gln Glu His Phe Pro Asn Glu Phe Thr Ser Gly Asp
              20              25              30
Gly Lys Lys Ala His Gln Asp Phe Gly Tyr Phe Tyr Gly Ser Ser Tyr
              35              40              45
Val Ala Ala Ser Asp Ser Ser Arg Thr Pro Gly Leu
              50              55              60

```

<210> 868
 <211> 78
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 868
Val Ala Ala Ala Leu Thr Leu Phe Pro Gln Gln Leu Ser Pro Pro Gly

```

```

      1             5             10             15
Ala Trp Gly Leu Gly Leu Ser Ala Cys Phe Cys Cys Ala Glu Gly Phe
      20             25             30
Ser Arg Leu Asn Gln Gln Val Leu Ser Ser Ser Leu Leu Leu Ser
      35             40             45
Arg Thr Asn Cys Pro Cys Lys Tyr Ser Phe Leu Asp Asn Leu Lys Lys
      50             55             60
Leu Thr Pro Arg Arg Asp Val Pro Thr Tyr Pro Lys Val Arg
      65             70             75             78

```

<210> 869
 <211> 119
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 869
Arg Asp Asp Ala Cys Leu Tyr Ser Pro Ala Ser Ala Pro Glu Val Ile
      1             5             10             15
Thr Val Gly Ala Thr Asn Ala Gln Asp Gln Pro Val Thr Leu Gly Thr
      20             25             30
Leu Gly Thr Asn Phe Gly Arg Cys Val Asp Leu Phe Ala Pro Gly Glu
      35             40             45
Asp Ile Ile Gly Ala Ser Ser Asp Cys Ser Thr Cys Phe Val Ser Gln
      50             55             60
Ser Gly Thr Ser Gln Ala Ala His Val Ala Gly Ile Ala Ala Met
      65             70             75             80
Met Leu Ser Ala Glu Pro Glu Leu Thr Leu Ala Glu Leu Arg Gln Arg
      85             90             95
Leu Ile His Phe Ser Ala Lys Asp Val Ile Asn Glu Ala Trp Phe Pro
      100            105            110
Glu Asp Gln Arg Val Leu Thr
      115            119

```

<210> 870
 <211> 34
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 870
Leu Glu Ile Lys Phe Leu Glu Gln Val Asp Gln Phe Tyr Asp Asp Asn
      1             5             10             15
Phe Pro Met Glu Ile Arg His Leu Leu Ala Gln Trp Ile Glu Asn Gln
      20             25             30
Asp Trp
      34

```

<210> 871
 <211> 154
 <212>Amino acid
 <213> Homo sapiens

<400> 871
 Glu Ala Gly Asp Ala Asp Glu Asp Glu Ala Asp Ala Asn Ser Ser Asp
 1 5 10 15
 Cys Glu Pro Glu Gly Pro Val Glu Ala Glu Glu Pro Pro Gln Glu Asp
 20 25 30
 Ser Ser Ser Gln Ser Asp Ser Val Glu Asp Arg Ser Glu Asp Glu Glu
 35 40 45
 Asp Glu His Ser Glu Glu Glu Glu Thr Ser Gly Ser Ser Ala Ser Glu
 50 55 60
 Glu Ser Glu Ser Glu Glu Ser Glu Asp Ala Gln Ser Gln Ser Gln Ala
 65 70 75 80
 Asp Glu Glu Glu Glu Asp Asp Asp Phe Gly Val Glu Tyr Leu Leu Ala
 85 90 95
 Arg Asp Glu Glu Gln Ser Glu Ala Asp Ala Gly Ser Gly Pro Pro Thr
 100 105 110
 Pro Gly Pro Thr Thr Leu Gly Pro Lys Lys Glu Ile Thr Asp Ile Ala
 115 120 125
 Ala Ala Ala Glu Ser Leu Gln Pro Lys Gly Tyr Thr Leu Ala Thr Thr
 130 135 140
 Gln Val Lys Thr Pro Ile Pro Leu Leu Leu
 145 150 154

<210> 872
 <211> 118
 <212>Amino acid
 <213> Homo sapiens

<400> 872
 Leu Lys Asn Leu Arg Glu Leu Leu Leu Glu Asp Asn Gln Leu Pro Gln
 1 5 10 15
 Ile Pro Ser Gly Leu Pro Glu Ser Leu Thr Glu Leu Ser Leu Ile Gln
 20 25 30
 Thr Asn Ile Tyr Asn Ile Thr Lys Glu Gly Ile Ser Arg Leu Ile Asn
 35 40 45
 Leu Lys Asn Leu Tyr Leu Ala Trp Asn Cys Tyr Phe Asn Lys Val Cys
 50 55 60
 Glu Lys Thr Asn Ile Glu Asp Gly Val Phe Glu Thr Leu Thr Asn Leu
 65 70 75 80
 Glu Leu Leu Ser Leu Ser Phe Asn Ser Leu Ser His Val Pro Pro Lys
 85 90 95
 Leu Pro Ser Ser Leu Arg Lys Leu Phe Leu Ser Asn Thr Gln Ile Lys
 100 105 110
 Tyr Ile Ser Glu Glu Asp
 115 118

<210> 873
 <211> 42
 <212>Amino acid
 <213> Homo sapiens

<400> 873
 Met Arg Ser Gln Ala Leu Gly Gln Ser Ala Pro Ser Leu Thr Ala Ser

```

      1             5             10             15
Leu Lys Glu Leu Ser Leu Pro Arg Arg Gly Ser Phe Pro Val Cys Pro
      20             25             30
Asn Ala Gly Arg Thr Ser Pro Leu Gly *
      35             40 41

```

<210> 874
 <211> 70
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 874
Leu Leu Cys Val Cys Leu Pro Val Gly Ala Cys Pro Ser Leu Ser Leu
      1             5             10             15
Leu Thr Ala Pro Leu Asn Gln Leu Met Arg Cys Leu Arg Lys Tyr Gln
      20             25             30
Ser Arg Thr Pro Ser Pro Leu Leu His Ser Val Pro Ser Glu Ile Val
      35             40             45
Phe Asp Phe Glu Pro Gly Pro Val Phe Arg Gly Ser Trp Ala Leu Leu
      50             55             60
Ser Trp Ser Thr Arg Pro
      65             70

```

<210> 875
 <211> 41
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 875
Gln Thr Pro Asp Lys Lys Gln Asn Asp Gln Arg Asn Arg Lys Arg Lys
      1             5             10             15
Ala Glu Pro Tyr Glu Thr Ser Gln Gly Ser Asn Asn Phe Val Ser Thr
      20             25             30
Lys Val Leu Leu Ser Asn Val Leu Arg
      35             40 41

```

<210> 876
 <211> 139
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 876
Tyr Phe Ile Ile Lys Gly Met Val Glu Leu Val Pro Ala Ser Asp Thr
      1             5             10             15
Leu Arg Lys Ile Gln Val Glu Tyr Gly Val Thr Gly Ser Phe Lys Asp
      20             25             30
Lys Pro Leu Ala Glu Trp Leu Arg Lys Tyr Asn Pro Ser Glu Glu Glu
      35             40             45
Tyr Glu Lys Ala Ser Glu Asn Phe Ile Tyr Ser Cys Ala Gly Cys Cys

```

```

      50              55              60
Val Ala Thr Tyr Val Leu Gly Ile Cys Asp Arg His Asn Asp Asn Ile
  65              70              75              80
Met Leu Arg Ser Thr Gly His Met Phe His Ile Asp Phe Gly Lys Phe
      85              90              95
Leu Gly His Ala Gln Met Phe Gly Ser Phe Lys Arg Asp Arg Ala Pro
      100              105              110
Phe Val Leu Thr Ser Asp Met Ala Tyr Val Ile Asn Gly Gly Glu Lys
      115              120              125
Pro Thr Ile Arg Phe Gln Leu Phe Val Asp Leu
      130              135              139

```

```

<210> 877
<211> 350
<212> Amino acid
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(350)
<223> X = any amino acid or stop code

```

```

      <400> 877
Pro Ser Pro Leu Pro Ser Leu Ser Leu Pro Pro Pro Val Ala Pro Gly
  1              5              10              15
Gly Gln Glu Ser Pro Ser Pro His Thr Ala Glu Val Glu Ser Glu Ala
      20              25              30
Ser Pro Pro Pro Ala Arg Pro Leu Pro Gly Glu Ala Arg Leu Ala Pro
      35              40              45
Ile Ser Glu Glu Gly Lys Pro Gln Leu Val Gly Arg Phe Gln Val Thr
      50              55              60
Ser Ser Lys Asn Arg Leu Ser Leu Phe Pro Cys Ser Gln His Pro Pro
      65              70              75              80
Leu Ser Leu Val Leu Gln Asn Leu Gln Pro Leu Ser Ser Leu Gln Arg
      85              90              95
Ala Gln Ile Gln Arg Thr Val Pro Gly Gly Gly Pro Glu Thr Arg Glu
      100              105              110
Ala Leu Ala Glu Ser Asp Arg Ala Ala Glu Gly Leu Gly Ala Gly Val
      115              120              125
Glu Glu Glu Gly Asp Asp Gly Lys Glu Pro Gln Val Gly Gly Ser Pro
      130              135              140
Gln Pro Leu Ser His Pro Ser Pro Val Trp Met Asn Tyr Ser Tyr Ser
      145              150              155              160
Ser Leu Cys Leu Ser Ser Glu Glu Ser Glu Ser Ser Gly Glu Asp Glu
      165              170              175
Glu Phe Trp Ala Glu Leu Gln Ser Leu Arg Gln Lys His Leu Ser Glu
      180              185              190
Val Glu Thr Leu Gln Thr Leu Gln Lys Lys Glu Ile Glu Asp Leu Tyr
      195              200              205
Ser Arg Leu Gly Lys Gln Pro Pro Pro Gly Ile Val Ala Pro Ala Ala
      210              215              220
Met Leu Ser Ser Arg Gln Arg Arg Leu Ser Lys Gly Ser Phe Pro Thr
      225              230              235              240
Ser Arg Arg Asn Ser Leu Gln Arg Ser Glu Pro Pro Gly Pro Gly Glu
      245              250              255
Thr Ala Gly His Pro Ala Ser Ile Phe Ser Leu Arg Pro Leu Ser Val
      260              265              270
Asp Cys Phe Ser Pro Gly Pro Gly Gly Leu Pro Arg Gly Asn Arg Pro
      275              280              285

```

```

Pro Leu Pro Thr Ser Pro Phe Leu Thr Xaa Cys Ser Pro Ser Pro His
  290                295                300
Thr Ala Glu Val Glu Ser Glu Ala Ser Pro Pro Pro Ala Arg Pro Leu
305                310                315                320
Pro Gly Glu Ala Arg Leu Ala Pro Ile Ser Glu Glu Gly Lys Pro Gln
                325                330                335
Leu Val Gly Arg Phe Pro Ser Asp Phe Ile Gln Gly Thr Gly
                340                345                350

```

```

<210> 878
<211> 112
<212>Amino acid
<213> Homo sapiens

```

```

<400> 878
Arg Arg Phe Val Ser Gln Glu Thr Gly Asn Leu Tyr Ile Ala Lys Val
  1                5                10                15
Glu Lys Ser Asp Val Gly Asn Tyr Thr Cys Val Val Thr Asn Thr Val
                20                25                30
Thr Asn His Lys Val Leu Gly Pro Pro Thr Pro Leu Ile Leu Arg Asn
                35                40                45
Asp Gly Val Met Gly Glu Tyr Glu Pro Lys Ile Glu Val Gln Phe Pro
                50                55                60
Glu Thr Val Pro Thr Ala Lys Gly Ala Thr Val Lys Leu Glu Cys Phe
                65                70                75                80
Ala Leu Gly Asn Pro Val Pro Thr Ile Ile Trp Arg Arg Ala Asp Gly
                85                90                95
Lys Pro Ile Ala Arg Lys Ala Arg Arg His Lys Ser Arg Val Gly Lys
                100                105                110                112

```

```

<210> 879
<211> 282
<212>Amino acid
<213> Homo sapiens

```

```

<400> 879
Met Leu Arg Thr Cys Tyr Val Leu Cys Ser Gln Ala Gly Pro Arg Ser
  1                5                10                15
Arg Gly Trp Gln Ser Leu Ser Phe Asp Gly Gly Ala Phe His Leu Lys
                20                25                30
Gly Thr Gly Glu Leu Thr Arg Ala Leu Leu Val Leu Arg Leu Cys Ala
                35                40                45
Trp Pro Pro Leu Val Thr His Gly Leu Leu Leu Gln Ala Trp Ser Arg
                50                55                60
Arg Leu Leu Gly Ser Arg Leu Ser Gly Ala Phe Leu Arg Ala Ser Val
                65                70                75                80
Tyr Gly Gln Phe Val Ala Gly Glu Thr Ala Glu Glu Val Lys Gly Cys
                85                90                95
Val Gln Gln Leu Arg Thr Leu Ser Leu Arg Pro Leu Leu Ala Val Pro
                100                105                110
Thr Glu Glu Glu Pro Asp Ser Ala Ala Lys Ser Gly Glu Ala Trp Tyr
                115                120                125

```

Glu Gly Asn Leu Gly Ala Met Leu Arg Cys Val Asp Leu Ser Arg Gly
 130 135 140
 Leu Leu Glu Pro Pro Ser Leu Ala Glu Ala Ser Leu Met Gln Leu Lys
 145 150 155 160
 Val Thr Ala Leu Thr Ser Thr Arg Leu Cys Lys Glu Leu Ala Ser Trp
 165 170 175
 Val Arg Arg Pro Gly Ala Ser Leu Glu Leu Ser Pro Glu Arg Leu Ala
 180 185 190
 Glu Ala Met Asp Ser Gly Gln Asn Leu Gln Val Ser Cys Leu Asn Ala
 195 200 205
 Glu Gln Asn Gln His Leu Arg Ala Ser Leu Ser Arg Leu His Arg Val
 210 215 220
 Ala Gln Tyr Ala Arg Ala Gln His Val Arg Leu Leu Val Asp Ala Glu
 225 230 235 240
 Tyr Thr Ser Leu Asn Pro Ala Leu Ser Leu Leu Val Ala Ala Leu Ala
 245 250 255
 Val Arg Trp Asn Ser Pro Gly Glu Gly Gly Pro Trp Val Trp Asn Thr
 260 265 270
 Tyr Gln Ala Cys Leu Lys Asp Thr Phe *
 275 280 281

<210> 880
 <211> 29
 <212> Amino acid
 <213> Homo sapiens

<400> 880
 Pro His His Arg Ile Ala Gly Asp Thr Ala Ile Asp Lys Asn Ile His
 1 5 10 15
 Gln Ser Val Ser Glu Gln Ile Lys Lys Asn Phe Ala Lys
 20 25 29

<210> 881
 <211> 45
 <212> Amino acid
 <213> Homo sapiens

<400> 881
 Gln Met Thr Asn Pro Phe Phe Leu Cys Phe Thr Thr Met Ile Ser Asn
 1 5 10 15
 Cys Asn Phe Phe Lys Gly Pro Pro Gly Pro Pro Gly Glu Lys Gly Asp
 20 25 30
 Arg Gly Pro Thr Gly Glu Ser Gly Pro Arg Gly Phe Pro
 35 40 45

<210> 882
 <211> 54
 <212> Amino acid
 <213> Homo sapiens

<400> 882

```

Asn Gly Ile Ile Ala Ser Phe Phe Leu Arg Thr Phe Ile Phe Cys Phe
 1          5          10          15
Ile His Ile Gln Gly Cys Gln Ala Gly Gln Thr Ile Lys Val Gln Val
          20          25          30
Ser Phe Asp Leu Leu Ser Leu Met Phe Thr Phe Val Ser Pro Cys Thr
          35          40          45
Asn Asp Leu Ile Ile His
          50          54

```

<210> 883

<211> 479

<212>Amino acid

<213> Homo sapiens

<400> 883

```

Lys Leu Ser Val Asn His Arg Arg Thr His Leu Thr Lys Leu Met His
 1          5          10          15
Thr Val Glu Gln Ala Thr Leu Arg Ile Ser Gln Ser Phe Gln Lys Thr
          20          25          30
Thr Glu Phe Asp Thr Asn Ser Thr Asp Ile Ala Leu Lys Val Phe Phe
          35          40          45
Phe Asp Ser Tyr Asn Met Lys His Ile His Pro His Met Asn Met Asp
          50          55          60
Gly Asp Tyr Ile Asn Ile Phe Pro Lys Arg Lys Ala Ala Tyr Asp Ser
          65          70          75          80
Asn Gly Asn Val Ala Val Ala Phe Leu Tyr Tyr Lys Ser Ile Gly Pro
          85          90          95
Leu Leu Ser Ser Ser Asp Asn Phe Leu Leu Lys Pro Gln Asn Tyr Asp
          100          105          110
Asn Ser Glu Glu Glu Glu Arg Val Ile Ser Ser Val Ile Ser Val Ser
          115          120          125
Met Ser Ser Asn Pro Pro Thr Leu Tyr Glu Leu Glu Lys Ile Thr Phe
          130          135          140
Thr Leu Ser His Arg Lys Val Thr Asp Arg Tyr Arg Ser Leu Cys Ala
          145          150          155          160
Phe Trp Asn Tyr Ser Pro Asp Thr Met Asn Gly Ser Trp Ser Ser Glu
          165          170          175
Gly Cys Glu Leu Thr Tyr Ser Asn Glu Thr His Thr Ser Cys Arg Cys
          180          185          190
Asn His Leu Thr His Phe Ala Ile Leu Met Ser Ser Gly Pro Ser Ile
          195          200          205
Gly Ile Lys Asp Tyr Asn Ile Leu Thr Arg Ile Thr Gln Leu Gly Ile
          210          215          220
Ile Ile Ser Leu Ile Cys Leu Ala Ile Cys Ile Phe Thr Phe Trp Phe
          225          230          235          240
Phe Ser Glu Ile Gln Ser Thr Arg Thr Thr Ile His Lys Asn Leu Cys
          245          250          255
Cys Ser Leu Phe Leu Ala Glu Leu Val Phe Leu Val Gly Ile Asn Thr
          260          265          270
Asn Thr Asn Lys Leu Phe Cys Ser Ile Ile Ala Gly Leu Leu His Tyr
          275          280          285
Phe Phe Leu Ala Ala Phe Ala Trp Met Cys Ile Glu Gly Ile His Leu
          290          295          300
Tyr Leu Ile Val Val Gly Val Ile Tyr Asn Lys Gly Phe Leu His Lys
          305          310          315          320
Asn Phe Tyr Ile Phe Gly Tyr Leu Ser Pro Ala Val Val Val Gly Phe
          325          330          335

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Ser Ala Ala Leu Gly Tyr Arg Tyr Tyr Gly Thr Thr Lys Val Cys Trp
      340      345      350
Leu Ser Thr Glu Asn Asn Phe Ile Trp Ser Phe Ile Gly Pro Ala Cys
      355      360      365
Leu Ile Ile Leu Val Asn Leu Leu Ala Phe Gly Val Ile Ile Tyr Lys
      370      375      380
Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser Cys Phe Glu
      385      390      395      400
Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu Leu Phe Leu Leu
      405      410      415
Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val
      420      425      430
Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe
      435      440      445
Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr
      450      455      460
Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu Arg
      465      470      475      479

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<210> 884
 <211> 143
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 884
Gly Thr Arg Glu Ala Ala Pro Ser Arg Phe Met Phe Leu Leu Phe Leu
  1      5      10      15
Leu Thr Cys Glu Leu Ala Ala Glu Val Ala Ala Glu Val Glu Lys Ser
      20      25      30
Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro Thr Trp Leu Thr Asp Val
      35      40      45
Pro Ala Ala Met Glu Phe Ile Ala Ala Thr Glu Val Ala Val Ile Gly
      50      55      60
Phe Phe Gln Asp Leu Glu Ile Pro Ala Val Pro Ile Leu His Ser Met
      65      70      75      80
Val Gln Lys Phe Pro Gly Val Ser Phe Gly Ile Ser Thr Asp Ser Glu
      85      90      95
Val Leu Thr His Tyr Asn Ile Thr Gly Asn Thr Ile Cys Leu Phe Arg
      100      105      110
Leu Val Asp Asn Glu Gln Leu Asn Leu Glu Asp Glu Asp Ile Glu Ser
      115      120      125
Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile Glu Ile Asn Ser Leu
      130      135      140      143

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<210> 885
 <211> 52
 <212>Amino acid
 <213> Homo sapiens

```

      <400> 885
Asp Glu Thr Ser Gly Leu Ile Val Arg Glu Val Ser Ile Glu Ile Ser
  1      5      10      15
Arg Gln Gln Val Glu Glu Leu Phe Gly Pro Glu Asp Tyr Trp Cys Gln
      20      25      30

```

Cys Val Ala Trp Ser Ser Ala Gly Thr Thr Lys Ser Arg Lys Ala Tyr
 35 40 45
 Val Arg Ile Ala
 50 52

<210> 886
 <211> 40
 <212> Amino acid
 <213> Homo sapiens

<400> 886
 Gly Thr Arg Ser Ile His Val Lys Leu Asp Val Gly Lys Leu His Thr
 1 5 10 15
 Gln Pro Lys Leu Ala Ala Gln Leu Arg Met Val Asp Asp Gly Ser Gly
 20 25 30
 Lys Val Glu Gly Leu Pro Gly Ile
 35 40

<210> 887
 <211> 177
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(177)
 <223> X = any amino acid or stop code

<400> 887
 Xaa Cys Gly Glu Asp Gly Ser Phe Thr Gln Val Gln Cys His Thr Tyr
 1 5 10 15
 Thr Gly Tyr Cys Trp Cys Val Thr Pro Asp Gly Lys Pro Ile Ser Gly
 20 25 30
 Ser Ser Val Gln Asn Lys Thr Pro Val Cys Ser Gly Ser Val Thr Asp
 35 40 45
 Lys Pro Leu Ser Gln Gly Asn Ser Gly Arg Lys Asp Asp Gly Ser Lys
 50 55 60
 Pro Thr Pro Thr Met Glu Thr Gln Pro Val Phe Asp Gly Asp Glu Ile
 65 70 75 80
 Thr Ala Pro Thr Leu Trp Ile Lys His Leu Val Ile Lys Asp Ser Lys
 85 90 95
 Leu Asn Asn Thr Asn Ile Arg Asn Ser Glu Lys Val Tyr Ser Cys Asp
 100 105 110
 Gln Glu Arg Gln Ser Ala Leu Glu Glu Ala Gln Gln Asn Pro Arg Glu
 115 120 125
 Gly Ile Val Ile Pro Glu Cys Ala Pro Gly Gly Leu Tyr Lys Pro Val
 130 135 140
 Gln Cys His Gln Ser Thr Gly Tyr Cys Trp Cys Val Leu Val Asp Thr
 145 150 155 160
 Gly Arg Pro Leu Pro Gly Thr Ser Thr Arg Tyr Val Met Pro Ser Xaa
 165 170 175 176

*

<210> 888
 <211> 48
 <212>Amino acid
 <213> Homo sapiens

<400> 888
 Val Leu Gln Leu Ile Lys Ser Gln Lys Phe Leu Asn Lys Leu Val Ile
 1 5 10 15
 Leu Val Glu Thr Glu Lys Glu Lys Ile Leu Arg Lys Glu Tyr Val Phe
 20 25 30
 Ala Asp Ser Lys Val Ser Asp Ser Lys Leu Leu Lys Trp Ala Val Arg
 35 40 45 48

<210> 889
 <211> 316
 <212>Amino acid
 <213> Homo sapiens

<400> 889
 Arg Arg Leu Ser Leu Leu Asp Leu Gln Leu Gly Pro Leu Gly Arg Asp
 1 5 10 15
 Pro Pro Gln Glu Cys Ser Thr Phe Ser Pro Thr Asp Ser Gly Glu Glu
 20 25 30
 Pro Gly Gln Leu Ser Pro Gly Val Gln Phe Gln Arg Arg Gln Asn Gln
 35 40 45
 Arg Arg Phe Ser Met Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met
 50 55 60
 Asp Ile Arg Leu Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser
 65 70 75 80
 Pro Asp Leu Pro Lys Pro Leu Ser Arg Met Ser Arg Arg Ala Ser Leu
 85 90 95
 Ser Asp Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys
 100 105 110
 Leu Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu
 115 120 125
 Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu Glu
 130 135 140
 Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys Asn Leu
 145 150 155 160
 Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His Thr Asp Arg
 165 170 175
 Ser Leu Thr Leu Val Phe Glu Tyr Leu Asp Ser Asp Leu Lys Gln Tyr
 180 185 190
 Leu Asp His Cys Gly Asn Leu Met Ser Met His Asn Val Lys Val Arg
 195 200 205
 Pro Arg Gly Gln Gly Pro Pro Ile Leu Ala Ala Thr Cys Pro Glu Ala
 210 215 220
 Gln Cys Gly Asp Pro Leu Ser Pro Pro Gly Ile Arg Leu Leu Arg Trp
 225 230 235 240
 Leu Lys Pro Ser His Val Gly Lys Arg Glu Arg Ala Met Pro Ser Thr
 245 250 255
 Ser Pro Gly Thr Gly Leu Ser Ala Leu Pro Gln Glu Gln Thr His Thr

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<210> 890
<211> 34
<212> Amino acid
<213> Homo sapiens
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```
<210> 891
<211> 68
<212>Amino acid
<213> Homo sapiens
```

```
<210> 892
<211> 38
<212> Amino acid
<213> Homo sapiens
```

490

35

38

<210> 893
 <211> 195
 <212>Amino acid
 <213> Homo sapiens

<400> 893
 His Thr His Lys Leu Val Ala Pro Arg Pro Gly Leu Pro Pro Thr Ser
 1 5 10 15
 Gln Trp Pro Arg Asp Ala Gly Arg Gln Ala Ser Gly Gly Leu Pro Ser
 20 25 30
 Leu Ser Thr Gly Pro Pro Lys Gly Pro Arg Asp Gly Leu Ala Arg Gly
 35 40 45
 His Pro Ala Glu Trp Leu Ala Gly Ser Pro Gly Asn Asn Ser Pro Thr
 50 55 60
 Gln Gly Ser Leu Pro Pro Gln Leu Asp Leu Tyr Ala Gly Ala Leu Phe
 65 70 75 80
 Val His Ile Cys Leu Gly Trp Asn Phe Tyr Leu Ser Thr Ile Leu Thr
 85 90 95
 Leu Gly Ile Thr Ala Leu Tyr Thr Ile Ala Gly Met Val Pro Ala Ala
 100 105 110
 Gly Arg Ser Thr Gln Gly Thr Cys Lys Gly Val Arg Arg Pro Pro Pro
 115 120 125
 Pro Thr Gly Pro Arg Glu Gln Pro Arg Lys Trp Pro Gln Gln Glu Pro
 130 135 140
 Gln Lys Phe Leu Pro Val Ser Leu Leu Pro Gly Ala Arg Ala Pro Ser
 145 150 155 160
 Ser Asn Leu Ala Ser Thr Gly Arg Gly Pro Gly Cys Cys Asn Leu His
 165 170 175
 Gly Arg Pro Ala Asp Ala His His Gly Gly Gly Gly Cys His Pro Asp
 180 185 190
 Asn Gln Arg
 195

<210> 894
 <211> 87
 <212>Amino acid
 <213> Homo sapiens

<400> 894
 Met Val Asn His Ser Leu Gln Glu Thr Ser Glu Gln Asn Val Ile Leu
 1 5 10 15
 Gln His Thr Leu Gln Gln Gln Gln Gln Met Leu Gln Gln Glu Thr Ile
 20 25 30
 Arg Asn Gly Glu Leu Glu Asp Thr Gln Thr Lys Leu Glu Lys Gln Val
 35 40 45
 Ser Lys Leu Glu Gln Glu Leu Gln Lys Gln Arg Glu Ser Ser Ala Glu
 50 55 60
 Lys Leu Arg Lys Met Glu Lys Cys Glu Ser Ala Ala His Glu Ala
 65 70 75 80
 Asp Leu Lys Arg Gln Lys *
 85 86

<210> 895
 <211> 49
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(49)
 <223> X = any amino acid or stop code

<400> 895
 Val Cys Pro Lys Trp Cys Arg Phe Leu Thr Met Leu Gly His Cys Cys
 1 5 10 15
 Tyr Phe Trp His Val Trp Pro Ala Ser Xaa Ala Leu Ser Ala Gly Pro
 20 25 30
 Thr Pro Thr Ser Arg Ser Phe Ser Pro Ser Pro Leu Arg Ser Ile Ser
 35 40 45
 Thr
 49

<210> 896
 <211> 128
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(128)
 <223> X = any amino acid or stop code

<400> 896
 Met Arg Gly Pro Pro Val Leu Leu Leu Gln Ala Ala Pro Met Glu Cys
 1 5 10 15
 Pro Val Pro Gln Gly Ile Pro Ala Gly Ser Ser Pro Glu Pro Ala Pro
 20 25 30
 Asp Pro Pro Gly Pro His Phe Leu Arg Gln Glu Arg Ser Phe Glu Cys
 35 40 45
 Arg Met Cys Gly Lys Ala Phe Lys Arg Ser Ser Thr Leu Ser Thr His
 50 55 60
 Leu Leu Ile His Ser Asp Thr Arg Pro Tyr Pro Cys Gln Phe Cys Gly
 65 70 75 80
 Lys Arg Phe His Gln Lys Ser Asp Met Lys Lys His Thr Tyr Ile His
 85 90 95
 Thr Gly Glu Lys Pro His Lys Cys Gln Thr Gln Arg Glu Pro Thr Met
 100 105 110
 Val Leu Ser Pro Ala Asp Lys Thr Asn Val Lys Ala Ala Trp Xaa *
 115 120 125 127

<210> 897
 <211> 57
 <212>Amino acid
 <213> Homo sapiens

<400> 897

```

His Glu Gln Leu Thr Asn Asn Thr Ala Thr Ala Pro Ser Ala Thr Pro
 1          5          10          15
Val Phe Gly Gln Val Ala Ala Ser Thr Ala Pro Ser Leu Phe Gly Gln
          20          25          30
Gln Thr Gly Ile Thr Ala Ser Thr Ala Val Ala Thr Pro Gln Val Ile
          35          40          45
Ser Ser Arg Phe Ile Asn Leu Asp Phe
 50          55          57

```

<210> 898

<211> 163

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(163)

<223> X = any amino acid or stop code

<400> 898

```

Val Ser Val Phe Lys Asn Cys Pro Met Tyr Xaa Ile Cys Ile Phe Leu
 1          5          10          15
Thr Lys Met Phe Cys Val Leu Ile Ile Xaa Asn Lys Phe Xaa Val His
          20          25          30
Lys Lys Pro Leu Gln Glu Val Glu Ile Ala Ala Ile Thr His Gly Ala
          35          40          45
Leu Gln Gly Leu Ala Tyr Leu His Ser His Thr Met Ile His Arg Asp
          50          55          60
Ile Lys Ala Gly Asn Ile Leu Leu Thr Glu Pro Gly Gln Val Lys Leu
          65          70          75          80
Ala Asp Phe Gly Ser Ala Ser Met Ala Ser Pro Ala Asn Ser Phe Val
          85          90          95
Gly Thr Pro Tyr Trp Met Ala Pro Glu Val Ile Leu Ala Met Asp Glu
          100          105          110
Gly Gln Tyr Asp Gly Lys Val Asp Val Trp Ser Leu Gly Ile Thr Cys
          115          120          125
Ile Glu Leu Ala Glu Arg Lys Pro Pro Leu Phe Asn Met Asn Ala Met
          130          135          140
Ser Ala Leu Tyr His Ile Ala Gln Asn Glu Ser Pro Thr Leu Gln Ser
          145          150          155          160
Asn Glu Trp
          163

```

<210> 899

<211> 352

<212>Amino acid

<213> Homo sapiens

<400> 899

```

Arg His Ala Arg Pro Gly Gly Gly Gly His Ser Asn Gln Arg Lys Met
 1          5          10          15
Ser Leu Glu Gln Glu Glu Glu Thr Gln Pro Gly Arg Leu Leu Gly Arg
 20          25          30
Arg Asp Ala Val Pro Ala Phe Ile Glu Pro Asn Val Arg Phe Trp Ile
 35          40          45
Thr Glu Arg Gln Ser Phe Ile Arg Arg Phe Leu Gln Trp Thr Glu Leu
 50          55          60
Leu Asp Pro Thr Asn Val Phe Ile Ser Val Glu Ser Ile Glu Asn Ser
 65          70          75          80
Arg Gln Leu Leu Cys Thr Asn Glu Asp Val Ser Ser Pro Ala Ser Ala
 85          90          95
Asp Gln Arg Ile Gln Glu Ala Trp Lys Arg Ser Leu Ala Thr Val His
100          105          110
Pro Asp Ser Ser Asn Leu Ile Pro Lys Leu Phe Arg Pro Ala Ala Phe
115          120          125
Leu Pro Phe Met Ala Pro Thr Val Phe Leu Ser Met Thr Pro Leu Lys
130          135          140
Gly Ile Lys Ser Val Ile Leu Pro Gln Val Phe Leu Cys Ala Tyr Met
145          150          155          160
Ala Ala Phe Asn Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro
165          170          175
Leu Glu Arg Ser Leu Leu Met Ala Gly Ala Val Ala Ser Ser Thr Phe
180          185          190
Leu Gly Val Ile Pro Gln Phe Val Gln Met Lys Tyr Gly Leu Thr Gly
195          200          205
Pro Trp Ile Lys Arg Leu Leu Pro Val Ile Phe Leu Val Gln Ala Ser
210          215          220
Gly Met Asn Val Tyr Met Ser Arg Ser Leu Glu Ser Ile Lys Gly Ile
225          230          235          240
Ala Val Met Asp Lys Glu Gly Asn Val Leu Gly His Ser Arg Ile Ala
245          250          255
Gly Thr Lys Ala Val Arg Glu Thr Leu Ala Ser Arg Ile Val Leu Phe
260          265          270
Gly Thr Ser Ala Leu Ile Pro Glu Val Phe Thr Tyr Phe Phe Lys Arg
275          280          285
Thr Gln Tyr Phe Arg Lys Asn Pro Gly Ser Leu Trp Ile Leu Lys Leu
290          295          300
Ser Cys Thr Val Leu Ala Met Gly Leu Met Val Pro Phe Ser Phe Ser
305          310          315          320
Ile Phe Pro Gln Ile Gly Gln Ile Gln Tyr Cys Ser Leu Glu Glu Lys
325          330          335
Ile Gln Ser Pro Thr Glu Glu Thr Glu Ile Phe Tyr His Arg Gly Val
340          345          350          352

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<210> 900

<211> 186

<212> Amino acid

<213> Homo sapiens

<400> 900

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His Ala Ser Gly Arg Leu Glu Val Phe Tyr Asn Gly Thr Trp Gly Ser
 1          5          10          15
Val Gly Arg Arg Asn Ile Thr Thr Ala Ile Ala Gly Ile Val Cys Arg
 20          25          30
Gln Leu Gly Cys Gly Glu Asn Gly Val Val Ser Leu Ala Pro Leu Ser
 35          40          45

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Lys Thr Gly Ser Gly Phe Met Trp Val Asp Asp Ile Gln Cys Pro Lys
  50          55          60
Thr His Ile Ser Ile Trp Gln Cys Leu Ser Ala Pro Trp Glu Arg Arg
  65          70          75          80
Ile Ser Ser Pro Ala Glu Glu Thr Trp Ile Thr Cys Glu Asp Arg Ile
          85          90          95
Arg Val Arg Gly Asp Thr Glu Cys Ser Gly Arg Val Glu Ile Trp
          100          105          110
His Ala Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Leu Ala
          115          120          125
Glu Ala Glu Val Val Cys Gln Gln Leu Gly Cys Gly Ser Ala Leu Ala
          130          135          140
Ala Leu Arg Asp Ala Ser Phe Gly Gln Gly Thr Gly Thr Ile Trp Leu
          145          150          155          160
Asp Asp Met Arg Cys Lys Gly Asn Glu Ser Phe Leu Trp Asp Cys His
          165          170          175
Ala Lys Pro Trp Gly Gln Ser Asp Cys Gly
          180          185 186

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<210> 901
<211> 365
<212> Amino acid
<213> Homo sapiens

```

```

<400> 901
Leu Gly Asp Phe Pro Gln Pro Gln Arg Gln Arg Arg Pro Gly Ala Ser
  1          5          10          15
Asp Leu Pro Pro His Leu Ala Gly Ala Arg Gln Trp Glu Val Arg Phe
          20          25          30
Phe Arg His Leu Pro Ala Arg Thr Leu Pro Pro Ser Leu Arg Met Pro
          35          40          45
Glu Gly Pro Glu Leu His Leu Ala Ser Gln Phe Val Asn Glu Ala Cys
          50          55          60
Arg Ala Leu Val Phe Gly Gly Cys Val Glu Lys Ser Ser Val Ser Arg
          65          70          75          80
Asn Pro Glu Val Pro Phe Glu Ser Ser Ala Tyr Arg Ile Ser Ala Ser
          85          90          95
Ala Arg Gly Lys Glu Leu Arg Leu Ile Leu Ser Pro Leu Pro Gly Ala
          100          105          110
Gln Pro Gln Gln Glu Pro Leu Ala Leu Val Phe Arg Phe Gly Met Ser
          115          120          125
Gly Ser Phe Gln Leu Val Pro Arg Glu Glu Leu Pro Arg His Ala His
          130          135          140
Leu Arg Phe Tyr Thr Ala Pro Pro Gly Pro Arg Leu Ala Leu Cys Phe
          145          150          155          160
Val Asp Ile Arg Arg Phe Gly Arg Trp Asp Leu Gly Gly Lys Trp Gln
          165          170          175
Pro Gly Arg Gly Pro Cys Val Leu Gln Glu Tyr Gln Gln Phe Arg Glu
          180          185          190
Asn Val Leu Arg Asn Leu Ala Asp Lys Ala Phe Asp Arg Pro Ile Cys
          195          200          205
Glu Ala Leu Leu Asp Gln Arg Phe Phe Asn Gly Ile Gly Asn Tyr Leu
          210          215          220
Arg Ala Glu Ile Leu Tyr Arg Leu Lys Ile Pro Pro Phe Glu Lys Ala
          225          230          235          240
Arg Ser Val Leu Glu Ala Leu Gln Gln His Arg Pro Ser Pro Glu Leu
          245          250          255
Thr Leu Ser Gln Lys Ile Arg Thr Lys Leu Gln Asn Pro Asp Leu Leu
          260          265          270

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Glu Leu Cys His Ser Val Pro Lys Glu Val Val Gln Leu Gly Gly Arg
 275 280 285
 Gly Tyr Gly Ser Glu Ser Gly Glu Glu Asp Phe Ala Ala Phe Arg Ala
 290 295 300
 Trp Leu Arg Cys Tyr Gly Met Pro Gly Met Ser Ser Leu Gln Asp Arg
 305 310 315 320
 His Gly Arg Thr Ile Trp Phe Gln Gly Asp Pro Gly Pro Leu Ala Pro
 325 330 335
 Lys Gly Arg Lys Ser Arg Lys Lys Lys Ser Lys Ala Thr Gln Leu Ser
 340 345 350
 Pro Glu Asp Arg Val Glu Asp Ala Leu Pro Pro Ser Lys
 355 360 365

<210> 902
 <211> 110
 <212>Amino acid
 <213> Homo sapiens

<400> 902
 Leu Thr Trp Ser Ala Cys Tyr Trp Arg Asp Ile Leu Arg Ile Gln Leu
 1 5 10 15
 Trp Ile Ala Ala Asp Ile Leu Leu Arg Met Leu Glu Lys Ala Leu Leu
 20 25 30
 Tyr Ser Glu His Gln Asn Ile Ser Asn Thr Gly Leu Ser Ser Gln Gly
 35 40 45
 Leu Leu Ile Phe Ala Glu Leu Ile Pro Ala Ile Lys Arg Thr Leu Ala
 50 55 60
 Arg Leu Leu Val Ile Ile Ala Ser Leu Asp Tyr Gly Ile Glu Lys Pro
 65 70 75 80
 His Leu Gly Thr Gly Met His Arg Val Ile Gly Leu Met Leu Leu Tyr
 85 90 95
 Leu Ile Phe Ala Asn Ala Glu Ser Val Ile Arg Val Ile Gly
 100 105 110

<210> 903
 <211> 44
 <212>Amino acid
 <213> Homo sapiens

<400> 903
 Phe Phe Phe Glu Met Glu Ser Arg Ser Ala Ala Gln Ala Gly Val Gln
 1 5 10 15
 Trp Cys Asn Leu Gly Ser Leu Gln Ala Leu Pro Pro Arg Phe Thr Pro
 20 25 30
 Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr
 35 40 44

<210> 904
 <211> 190
 <212>Amino acid
 <213> Homo sapiens

<400> 904
 Tyr Glu Cys Glu Glu Leu Ala Lys Lys Leu Glu Asn Ser Gln Arg Asp
 1 5 10 15
 Gly Ile Ser Arg Asn Lys Leu Ala Leu Ala Glu Leu Tyr Glu Asp Glu
 20 25 30
 Val Lys Cys Lys Ser Ser Lys Ser Asn Arg Pro Lys Ala Thr Val Phe
 35 40 45
 Lys Ser Pro Arg Thr Pro Pro Gln Arg Phe Tyr Ser Ser Glu His Glu
 50 55 60
 Tyr Ser Gly Leu Asn Ile Val Arg Pro Ser Thr Gly Lys Ile Val Asn
 65 70 75 80
 Glu Leu Phe Lys Glu Ala Arg Glu His Gly Ala Val Pro Leu Asn Glu
 85 90 95
 Ala Thr Arg Ala Ser Gly Asp Asp Lys Ser Lys Ser Phe Thr Gly Gly
 100 105 110
 Gly Tyr Arg Leu Gly Ser Ser Phe Cys Lys Arg Ser Glu Tyr Ile Tyr
 115 120 125
 Gly Glu Asn Gln Leu Gln Asp Val Gln Ile Leu Leu Lys Leu Trp Ser
 130 135 140
 Asn Gly Phe Ser Leu Asp Asp Gly Glu Leu Arg Pro Tyr Asn Glu Pro
 145 150 155 160
 Thr Asn Ala Gln Phe Leu Glu Ser Val Lys Arg Gly Val Thr Leu Ile
 165 170 175
 Ala Cys Met Pro Glu Ile Gln Gln Leu Met Leu Glu Ile Phe
 180 185 190

<210> 905
 <211> 414
 <212> Amino acid
 <213> Homo sapiens

<400> 905
 Trp Pro Cys Gly Ala Ala Pro Gly Leu Thr His Ala Ser Glu Arg Met
 1 5 10 15
 Phe Thr Leu Thr Thr Met Ile Gln Ala Leu Ala Pro Val Met Gly Trp
 20 25 30
 Asp Arg Lys Pro Leu Lys Met Phe Ser Ser Glu Glu Met Arg Gly His
 35 40 45
 Leu His His His His Lys Cys Leu Thr Lys Ile Leu Lys Val Glu Gly
 50 55 60
 Gln Val Pro Asp Leu Pro Ser Cys Leu Pro Leu Thr Asp Asn Thr Arg
 65 70 75 80
 Met Leu Ala Ser Ile Leu Ile Asn Met Leu Tyr Asp Asp Leu Arg Cys
 85 90 95
 Asp Pro Glu Arg Asp His Phe Arg Lys Ile Cys Glu Glu Tyr Ile Thr
 100 105 110
 Gly Lys Phe Asp Pro Gln Asp Met Asp Lys Asn Leu Asn Ala Ile Gln
 115 120 125
 Thr Val Ser Gly Ile Leu Gln Gly Pro Phe Asp Leu Gly Asn Gln Leu
 130 135 140
 Leu Gly Leu Lys Gly Val Met Glu Met Met Val Ala Leu Cys Gly Ser
 145 150 155 160
 Glu Arg Glu Thr Asp Gln Leu Val Ala Val Glu Ala Leu Ile His Ala
 165 170 175
 Ser Thr Lys Leu Ser Arg Ala Thr Phe Ile Ile Thr Asn Gly Val Ser
 180 185 190

Leu Leu Lys Gln Ile Tyr Lys Thr Thr Lys Asn Glu Lys Ile Lys Ile
 195 200 205
 Arg Thr Leu Val Gly Leu Cys Lys Leu Gly Ser Ala Gly Gly Thr Asp
 210 215 220
 Tyr Gly Leu Arg Gln Phe Ala Glu Gly Ser Thr Glu Lys Leu Ala Lys
 225 230 235 240
 Gln Cys Arg Lys Trp Leu Cys Asn Met Ser Ile Asp Thr Arg Thr Arg
 245 250 255
 Arg Trp Ala Val Glu Gly Leu Ala Tyr Leu Thr Leu Asp Ala Asp Val
 260 265 270
 Lys Asp Asp Phe Val Gln Asp Val Pro Ala Leu Gln Ala Met Phe Glu
 275 280 285
 Leu Ala Lys Thr Ser Asp Lys Thr Ile Leu Tyr Ser Val Ala Thr Thr
 290 295 300
 Leu Val Asn Cys Thr Asn Ser Tyr Asp Val Lys Glu Val Ile Pro Glu
 305 310 315 320
 Leu Val Gln Leu Ala Lys Phe Ser Lys Gln His Val Pro Glu Glu His
 325 330 335
 Pro Lys Asp Lys Lys Asp Phe Ile Asp Met Arg Val Lys Arg Leu Leu
 340 345 350
 Lys Ala Gly Val Ile Ser Ala Leu Ala Cys Met Val Lys Ala Asp Ser
 355 360 365
 Ala Ile Leu Thr Asp Gln Thr Lys Glu Leu Leu Ala Arg Val Phe Leu
 370 375 380
 Ala Leu Cys Asp Asn Pro Lys Asp Arg Gly Thr Ile Val Ala Gln Gly
 385 390 395 400
 Gly Gly Lys Ala Leu Ile Pro Leu Ala Leu Glu Gly Thr Asp
 405 410 414

<210> 906
 <211> 296
 <212> Amino acid
 <213> Homo sapiens

<400> 906
 Val Asp Ser Val Gly Gly Gly Ser Glu Ser Arg Ser Leu Asp Ser Pro
 1 5 10 15
 Thr Ser Ser Pro Gly Ala Gly Thr Arg Gln Leu Val Lys Ala Ser Ser
 20 25 30
 Thr Gly Thr Glu Ser Ser Asp Asp Phe Glu Glu Arg Asp Pro Asp Leu
 35 40 45
 Gly Asp Gly Leu Glu Asn Gly Leu Gly Ser Pro Phe Gly Lys Trp Thr
 50 55 60
 Leu Ser Ser Ala Ala Gln Thr His Gln Leu Arg Arg Leu Arg Gly Pro
 65 70 75 80
 Ala Lys Cys Arg Glu Cys Glu Ala Phe Met Val Ser Gly Thr Glu Cys
 85 90 95
 Glu Glu Cys Phe Leu Thr Cys His Lys Arg Cys Leu Glu Thr Leu Leu
 100 105 110
 Ile Leu Cys Gly His Arg Arg Leu Pro Ala Arg Thr Pro Leu Phe Gly
 115 120 125
 Val Asp Phe Leu Gln Leu Pro Arg Asp Phe Pro Glu Glu Val Pro Phe
 130 135 140
 Val Val Thr Lys Cys Thr Ala Glu Ile Glu His Arg Ala Leu Asp Val
 145 150 155 160
 Gln Gly Ile Tyr Arg Val Ser Gly Ser Arg Val Arg Val Glu Arg Leu
 165 170 175
 Cys Gln Ala Phe Glu Asn Gly Arg Ala Leu Val Glu Leu Ser Gly Asn
 180 185 190

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Ser Pro His Asp Val Ser Ser Val Leu Lys Arg Phe Leu Gln Glu Leu
      195                200                205
Thr Glu Pro Val Ile Pro Phe His Leu Tyr Asp Ala Phe Ile Ser Leu
      210                215                220
Ala Lys Thr Leu His Ala Asp Pro Gly Asp Asp Pro Gly Thr Pro Ser
225                230                235                240
Pro Ser Pro Glu Val Ile Arg Ser Leu Lys Thr Leu Leu Val Gln Leu
      245                250                255
Pro Asp Ser Asn Tyr Asn Thr Leu Arg His Leu Val Ala His Leu Phe
      260                265                270
Arg Val Ala Ala Arg Phe Met Glu Asn Lys Met Ser Ala Asn Asn Leu
      275                280                285
Gly Ile Val Phe Gly Pro Thr Leu
      290                295 296

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<210> 907
 <211> 131
 <212>Amino acid
 <213> Homo sapiens

```

<400> 907
Gly Leu His Val Ile Ser Leu His Ser Ala Asp Gly Arg His Trp Glu
 1                5                10                15
Asp Pro Leu Ser Glu Leu Asp Ser Glu Arg Val Ser Ala Phe Leu Val
      20                25                30
Thr Glu Thr Leu Val Phe Tyr Leu Phe Cys Leu Leu Ala Asp Glu Thr
      35                40                45
Val Val Pro Pro Asp Val Pro Ser Tyr Leu Ser Ser Gln Gly Thr Leu
      50                55                60
Ser Asp Arg Gln Glu Thr Val Val Arg Thr Glu Gly Gly Pro Gln Ala
      65                70                75                80
Asn Gly His Ile Glu Ser Asn Gly Lys Ala Ser Val Thr Val Lys Gln
      85                90                95
Ser Ser Ala Val Thr Val Ser Leu Gly Ala Gly Gly Gly Leu Gln Val
      100                105                110
Phe Thr Gly Gln Val Pro Gly Ile Arg Trp Gly Lys Leu Gly Glu Ala
      115                120                125
His Ala Ser
      130 131

```

<210> 908
 <211> 124
 <212>Amino acid
 <213> Homo sapiens

```

<400> 908
Lys Ile Lys His Arg Pro Glu Glu Glu Pro Arg Trp Ala Ala Ala Gly
 1                5                10                15
Ala Gln Ser Ala Gly Pro Gly Ala Ala Glu Val Ala Pro Pro Arg Pro
      20                25                30
Gly Thr Val Ala Pro Gly Ala Asn Gly Met Thr Asp Ser Ala Thr Ala
      35                40                45
Asn Gly Asp Asp Arg Asp Pro Glu Ile Glu Leu Phe Val Lys Ala Gly
      50                55                60

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Ile Asp Gly Glu Ser Ile Gly Asn Cys Pro Phe Ser Gln Arg Leu Phe
 65          70          75          80
Met Ile Leu Trp Leu Lys Gly Val Val Phe Asn Val Thr Thr Val Asp
          85          90          95
Leu Lys Arg Lys Pro Ala Asp Leu Arg Asn Leu Ala Pro Gly Thr His
          100          105          110
Pro Pro Phe Leu Ala Phe Asn Trp Tyr Val Lys Thr
          115          120          124

```

<210> 909
 <211> 111
 <212>Amino acid
 <213> Homo sapiens

```

<400> 909
Leu Gly Phe Ser Asp Gly Gln Glu Ala Arg Pro Glu Glu Ile Gly Trp
 1          5          10          15
Leu Asn Gly Tyr Asn Glu Thr Thr Gly Glu Arg Gly Asp Phe Pro Gly
          20          25          30
Thr Tyr Val Glu Tyr Ile Gly Arg Lys Lys Ile Ser Pro Pro Thr Pro
          35          40          45
Lys Pro Arg Pro Pro Arg Pro Leu Pro Val Ala Pro Gly Ser Ser Lys
          50          55          60
Thr Glu Ala Asp Val Glu Gln Gln Val Leu Tyr Lys Tyr Arg Lys Lys
          65          70          75          80
Pro Ser Ser Ser His Arg Pro Gln Thr Pro His Asn Gly Lys Ser Lys
          85          90          95
Asn Phe Leu His Lys Gln Gly Leu Lys Lys Lys Ala Ser Leu
          100          105          110 111

```

<210> 910
 <211> 298
 <212>Amino acid
 <213> Homo sapiens

```

<400> 910
Arg Thr Arg Gly Val Met Glu Leu Ala Leu Arg Arg Ser Pro Val Pro
 1          5          10          15
Arg Trp Leu Leu Leu Leu Pro Leu Leu Leu Gly Leu Asn Ala Gly Ala
          20          25          30
Val Ile Asp Trp Pro Thr Glu Glu Gly Lys Glu Val Trp Asp Tyr Val
          35          40          45
Thr Val Arg Lys Asp Ala Tyr Met Phe Trp Trp Leu Tyr Tyr Ala Thr
          50          55          60
Asn Ser Cys Lys Asn Phe Ser Glu Leu Pro Leu Val Met Trp Leu Gln
          65          70          75          80
Gly Gly Pro Gly Gly Ser Ser Thr Gly Phe Gly Asn Phe Glu Glu Ile
          85          90          95
Gly Pro Leu Asp Ser Asp Leu Lys Pro Arg Lys Thr Thr Trp Leu Gln
          100          105          110
Ala Ala Ser Leu Leu Phe Val Asp Asn Pro Val Gly Thr Gly Phe Ser
          115          120          125
Tyr Val Asn Gly Ser Gly Ala Tyr Ala Lys Asp Leu Ala Met Val Ala
          130          135          140

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